

AD-A150 481

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
FALLON NEVADA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT  
ASHEVILLE NC AUG 84

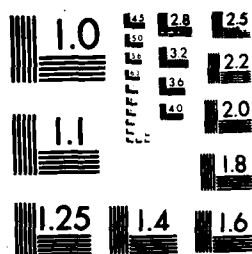
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

<b>AD-A150 481</b>	DTIC ACCESSION NUMBER	<div style="border: 1px solid black; padding: 5px; font-size: 24pt; margin: 0 auto;">II</div> <div style="text-align: center; font-size: 10pt;">LEVEL</div>	<div style="text-align: right; font-size: 10pt; margin-bottom: 5px;">PHOTOGRAPH THIS SHEET</div> <div style="text-align: center; font-size: 24pt; margin: 0 auto;">1</div> <div style="text-align: center; font-size: 10pt;">INVENTORY</div>																										
		<div style="font-size: 24pt; margin: 0 auto;">SMOS, Fallon, NV.</div> <div style="text-align: center; font-size: 10pt;">DOCUMENT IDENTIFICATION</div> <div style="text-align: right; font-size: 24pt; margin-top: 10px;">Aug 1984</div>																											
		<div style="border: 1px solid black; padding: 5px; font-size: 10pt; margin: 0 auto;"> <b>DISTRIBUTION STATEMENT A</b>            Approved for public release;            Distribution Unlimited         </div>																											
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ADA 150 481

# SMOS

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

STATION: #93102 Fallon, NV  
PERIOD: HOURLY 1/73-12/82  
DAILY 11/57-12/82

JOB NO. 72006 DATE August 1984

PREPARED BY  
NAVAL OCEANOGRAPHY  
COMMAND DETACHMENT,  
FEDERAL BUILDING  
ASHEVILLE, N.C. 28801

PREPARED FOR  
COMMANDER,  
NAVAL OCEANOGRAPHY  
COMMAND  
NSTL MS 39529



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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Fallon, NV		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
7. AUTHOR(s) NA		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Commanding Officer Naval Oceanography Command Facility NSTL, MS 39529-5002		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE August 1984
		13. NUMBER OF PAGES 358
		15. SECURITY CLASS. (of this report) Unclassified
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)  Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This update includes the period of record (POR) 1973 through 1982, with all available data through 1982 for extreme values.

This summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

**DESCRIPTION:** Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

**COMMENT:** All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

STATION NO. OR SUMMARY 93102	STATION NAME Fallon, Nevada	LATITUDE 39°25'N	LONGITUDE 118°42'W	STATION ELEV. (FT) 3934	CALL SIGN KNFL	AWC NUMBER
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## STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF STATION LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		PRES. PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office	Navy	1952	1967	39°25'N	118°42'W	3934	Mercurial	Var
2.	" " "	"	1967	1976	"	"	3940	"	Var
1a.	" " "	"	1968	1977	"	"	3942	Aneroid	Var
1b.	ESE of Weather service office 1300 ft	"	1977		"	"	3940	Pressure transducer	18

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1944	Roof	SA(F103-F003)	9 light	27'	
2.	Unknown	Aerovane atop 90' control tower 600' E of Aerology Bldg				
3.	"	HC anemometer atop Aerology Bldg	HC	"	30'	
4.	1955	21 foot platform(replaces item #3)	AN/UMQ-5B	Unknown	21'	
5.	1958	Atop control tower	AN/UMQ-5C	RD-108B	85'	
6.	1958	Relocated near main runway	"	"	15'	
7.	1977	Near main runway	"	RO447A	15'	

NWSD, Federal Building

WEATHER CONDITIONS

NOC, Federal Building  
Asheville, N. C.

## PART A

## WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
  2. By month and annual, all hours and years combined, by wind direction.
  3. By month, all years combined, by standard 3-hour groups.
- Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

lowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than  $5/8$  mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "Total" indicates percentage frequency of occurrences.

# WEATHER CONDITIONS

## ATMOSPHERIC PHENOMENA

STATION NAME: FALL N. NO. 57-74 YEARS: ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	11.4	.5	17.7	1.5	16.7		18.9	15.1	1.0	.3	1.0	17.3	100
FEB		.2	21.7	.6	15.3	.2	21.3	7.0	.0	1.1	.7	5.1	100
MAR		.2	17.7		15.1	.2	23.6	1.9	.5	.3	.0	5.7	100
APR		1.2	18.1		12.7	.2	27.7	1.0	.0	.3	1.6	4.0	100
MAY		.5	24.6		2.5	1.0	25.1	.3	.0		1.7	1.3	100
JUN		1.8	20.0			1.0	23.0	.2	.0		.0	5.0	100
JUL		.1	18.1			.2	18.5	.2	.0		.0	1.0	100
AUG		.4	16.7			.5	16.5	.0	1.1		.0	2.2	100
SEP		.7	14.7		.2	.4	14.3	.4	.7		1.0	2.4	140
OCT		.0	12.4	.2	1.0	.3	13.4	1.2	.3	.2	.0	2.2	100
NOV		.5	14.3	.3	8.3		24.5	1.0	.0		.7	.7	100
DEC			14.0	.0	15.5	.2	25.6	15.2	1.0	.2	1.0	17.0	100
TOTALS		7.4	17.9	.2	7.2	.4	22.7	4.1	.7	.2	1.2	5.1	770

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## STATION

STATION NAME

**YEARS**

**MONTH**

[illegible]

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STATION

STATION NAME

**YEARS**

MONTH

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## WEATHER CONDITIONS

STATION

STATION NAME

**YEARS**

**MONTH**

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FEDERAL BUREAU OF INVESTIGATION

[illegible]

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## STATION

STATION NAME

YEARS

## MONTA

[illegible]

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**STATION**

2111-2112

STATION NAME

**YEARS**

**MONTH**

PERCENTAGE FREQUENCY OF OCCURRENCE OF CLIMATE  
CANNOT BE DEDUCED FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	2												
		.5	1.2		.5		5.5	.3				.2	1
		.6	1.1		.5		3.5						1
	1	1.2	2.1		.5		2.5				.5	.2	1
	1	1.2	4.1				5.2				.5	.4	1
	1	1.2	5.3				.5				.5	.2	1
	1	.6	2.5		.5		3.2				.5	.3	1
TOTALS		.9	6.1		.5		4.7	.3			.5	.4	1-50

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## WEATHER CONDITIONS

STATION

FALLS, N

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	2												
			1.3				1.3						
			1.7				1.7				.4	.4	2.0
	17	.3	2.3				2.3				1.0	1.0	3.0
	1	1.3	2.7				2.7				.7	.7	3.0
	17	4.0	4.0				4.0						7.0
	22	.3	2.0				2.0				.3	.3	2.7
TOTALS		.3	2.3				2.5				.4	.4	17.7

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## WEATHER CONDITIONS

STATION

FALL A. N. N.

STATION NAME

73-12

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01												
	02												
	03		1.7				1.7						317
	04		1.0				1.0						100
	05	.6	1.3				1.7						110
	06	1.6	1.6				1.9						317
	07	1.9	3.0				3.0						310
	08	.5	1.7				1.7	.3	.3			.7	307
	09												
	10												
	11												
	12												
TOTALS		.7	1.6				1.6	.4	.3			.7	145

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3

## WEATHER CONDITIONS

STATION

FALL N, N

STATION NAME

12-40

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	01												
	02												
	03		1.7				1.7		1.0			1.0	2.0
	04		1.0				1.0		1.0			1.0	3.0
	05	.3	.7				.7		.7			.3	3.0
	06	1.3	1.3				1.7		.7		1.0	2.0	3.0
	07	2.0	2.0				2.0				1.0	1.3	3.0
	08		2.0				2.0	.4	.4			.4	2.4
TOTALS		.3	1.7				1.7	.1	.3		.3	1.1	17.0

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3

# WEATHER CONDITIONS

STATION FALLON, NV STATION NAME 73-75.77-52 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	01												
	02												
	03	.4	2.3				2.3	.4			.2	1.1	2.6
	04		1.2				1.2				.4	.4	2.6
	05	.4	2.3				2.3						2.6
	06	.4	.2				.2						2.6
	07	1.5	2.3				2.3				.4	.4	2.6
	08		1.2				1.2				.4	.4	2.6
TOTALS		.5	2.3				2.3	.4			.2	.4	15.71

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# WEATHER CONDITIONS

STATION 02 FALL N. N. STATION NAME 13-40 YEARS 1951 MONTH 1951

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
			1.0		1.4		2.7	3.1				3.1	2.5
			1.0		1.0		1.7	.7				.7	2.0
			1.4		1.4		4.4				.3	.3	2.5
			2.0		2.7		4.4						2.0
			2.7		2.0		4.1						2.3
			1.0		1.0		1.0						.7
TOTALS			1.1		1.7		5.4	.6			.1	.7	17.1

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## WEATHER CONDITIONS

STATION

FALL 2014

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS.

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1	21												
2	25												
3	7		1.1		2.7		3.7	2.1				1.3	7
4	1		1.3		2.7		4.7	1.7	1.1	.3	.3	5.7	200
5	1		1.3		1.1		1.7	1.1			.7	1.7	239
6	1		1.7		1.1		1.7	.7			.7	1.4	211
7	1		1.1		1.1		2.2	.7				.7	217
8	12		1.1		.7		1.1	1.1				1.1	221
9													
10													
11													
12													
TOTALS			1.1		1.5		2.1	2.2	.2	.1	.3	3.2	1516

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# WEATHER CONDITIONS

STATION

FAIRVIEW

STATION NAME

1950-51

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		2.0		3.2		5.2	4.2	.1	.1	.0	.0	1740
FEB			3.0		2.3		5.2	.7	.1		.0	1.0	1660
MAR		.1	1.0		1.7		5.2	.5		.1	.0	1.0	1650
APR		.2	2.7		1.1		3.6	.1		.1	.0	.0	1770
MAY		.0	4.1		.4		4.3	.1			.0	.4	1800
JUN		.0	2.0				2.0				.0	.4	1700
JUL		.7	1.0				1.0	.1	.1			.0	1840
AUG		.0	1.0				1.7	.1	.0			1.1	1770
SEP		.0	2.1				0.1	.1			.0	.0	1800
OCT		.1	2.3		.0		2.4	.7			.0	.0	1800
NOV		.0	0.1		1.7		2.4	.0			.1	.7	1700
DEC			1.0		1.7		1.1	2.0	.0	.1	.0	3.7	1600
TOTALS		.4	2.6		1.7		3.4	1.1	.1	.7	.4	1.0	21117

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PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION NAME: FALLS, NV DATE: JANUARY 1973-DECEMBER 1982 MONTH: JANUARY HOURS: 24

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.4					5.4			1.2	.6			.6	87.8
NNE	2.7	.9			.7	3.6			5.5	.9				87.7
NNE	1.7					1.7			1.3	2.1				94.9
ENE						2.7			6.5	2.7	4.3			87.5
E	.1					2.1			5.4					87.4
ESE	.3					2.3			14.7					83.7
SE		1.4							1.4					97.7
SSE		.4				2.4			7.5	3.5			2.6	87.8
S	4.1					2.1			.1	.7	.7			92.7
SSW									1.5					87.7
SW	2.7	2.2				2.2			4.4					89.9
WSW									14.7					85.7
W	1.1	3.6				1.7			3.6		1.7			89.7
WNN	2.7	3.2				5.6								87.7
WN	3.7	3.3				6.5			1.9			1.9		84.7
NNW	.1	1.1				5.3			3.1	1.1				87.7
VAR. ALL														
ALL	1.7	.6	.1		.1	3.7			7.1	1.4	.7	.1	.2	86.5

TOTAL NUMBER OF OBSERVATIONS 1,747

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- 22 -

1973-2000 1970

— 244 —

YEARS

MONTE

MD: RES 5 5 7

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN NO DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
10	1.					4.7				.7	.7		.7	53.1
10NF	1.	.6				2.7								54.1
10F		1.7												55.1
10NF		1.7				2.1								57.1
10F		1.3	1.3			3.6				1.3				58.7
10NF	1.1					1.6								59.1
10F	1.1	1.1				2.6								64.4
10NF	1.					.7							1.6	64.4
10F	1.					1.6							1.2	66.7
10NF	1.	2.6				3.2							3.9	67.1
10F	1.	2.6												64.7
10NF	1.	4.7							.7					68.1
10F	1.	1.1	1.1			1.1			1.1				1.1	62.1
10NF	1.					5.1							2.1	62.3
10F	1.	6.7				11.1			1.6					75.1
10NF	1.					7.1			1.3					78.3
10F	4.7	4.6								1.1	.7			74.6
10NF	1.	1.7	.2			7.1			.7	.7	.7		1.1	15.5
10F	1.	1.7	.1			2.7			.3	.4	.1		.6	94.7

TOTAL NUMBER OF OBSERVATIONS	1,664
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# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION FALLON, NV STATION NAME JANUARY 1973-DECEMBER 1982 YEARS MARCH MONTH HOURS LIST

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.7	2.2				2.3							1.3	87.6
NNE	1.3	2.3				1.2			1.2					94.6
NNE	1.7	3.4							1.7				1.7	91.4
NNE						2.4								97.6
E		1.7												98.1
ESE	1.2	1.7												89.1
SE	1.7	1.3												97.4
SSE	2.3	1.7												95.8
S	.7	1.4				.7								97.1
SSW		3.2	1.6										1.6	93.5
SW	1.3	2.3				1.2		1.2				1.2	4.7	89.5
WSW		2.4											1.2	96.5
W	4.6	4.6				1.7		.7	1.3				1.3	88.2
WNA	4.7	1.1				2.2								92.4
NW	1.7	3.2			.7	2.4			.8					93.3
NNW						3.2							.8	95.5
APPROX						2.4								97.4
TOTAL	71	42	1		1	77		2	5			1	14	1717
TOTAL		2.3	.1		.1	1.6		.1	.3			.1	.1	93.4

TOTAL NUMBER OF OBSERVATIONS 1,003

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PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

FALLON, NV

JANUARY 1973-DECEMBER 1982

APRIL

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.0	2.5				1.3		.5				.5		94.5
NNE	1.1	1.1				1.1								95.6
NE	1.7	3.3				1.7								93.3
ENE						2.6								97.4
E														100.0
ESE		3.0											3.0	93.9
SE														100.0
SSE	.0													97.4
S		1.8							.9				.9	96.4
SSW		3.5												96.2
SA	1.0	1.4				1.4		1.4					4.1	91.8
WSW		4.3											4.3	91.4
W	.7	1.4				.5								97.2
WNW	.0	3.1				2.5		.6						93.8
WA	.7	1.8				1.9							.9	95.5
NNW	.0	1.5				2.3								95.5
VARIABLE														
CALM		.4				.8								97.9
TOTAL	1.0	7.1				20		3	1			1	9	1698
% TOTAL	.0	1.7				1.1		.2	.1			.1	.5	95.8

TOTAL NUMBER OF OBSERVATIONS

1,772

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PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION NAME: FALLON, NV JANUARY 1973-DECEMBER 1992 MONTH: MAY HOURS: L.S.T.

WIND DIRECTION	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.6				.5		.9					.2	98.2
NNE	3.1											.7	94.5
NNE	6.7						1.4						93.7
NNE	1.6												96.4
NNE	13.4						2.2						97.7
NNE	13.0												97.0
SE													100.0
SE	4.2												95.8
SE	3.6						4.5					1.1	92.1
SEA	1.2												98.0
SEA	1.1												98.4
SEA	7.7						1.3					2.6	89.7
SEA	3.6				.1		1.6	.4					94.2
SEA	1.2				1.1		.5						95.0
SEA	1.4						.7						97.0
SEA	1.7				.7		.6					.6	97.1
VARIOUS	2.7				.5		1.5						95.4
ALL	1.3				.7		1.0	.1				.1	177.3
ALL	5.4				.4		1.0	.1				.5	95.3

TOTAL NUMBER OF OBSERVATIONS 1,260

3

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION NAME: FALLS, NV JANUARY 1973-DECEMBER 1982 MONTH: JUNE HOURS: 11.57

WIND DIRECTION	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.1	1.1					1.6					.5	96.3
NNE												1.5	99.5
NNE	1.0												98.4
ENE	2.0	7.5					1.9					1.9	95.7
E		9.5											97.5
ESE													100.0
SE													100.0
SSE													100.0
S	1.7	4.3					2.2					2.2	95.2
SSW		2.0											96.0
WSW													92.0
W		3.3										1.1	95.7
WNW		1.7					1.7						97.4
WNA	1.1	.5					1.0					.5	96.8
WNW		2.4											96.5
WNW	1.2	.6					.6						97.6
VAR													99.1
ALL	1.7	2.8					1.5					7	177.9
ALL	.4	1.6					.8					.4	96.7

TOTAL NUMBER OF OBSERVATIONS 1,798

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# PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

FALCON, NV

JANUARY 1973-DECEMBER 1982

JULY

WIND DIRECTION	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N													89.0
NNE													100.0
NNE							2.0						98.0
ENE	2.4												97.6
E													100.0
ESE	0.3	6.3					5.3						81.0
SE		7.7											92.3
SSE	0.2	4.4					2.2						81.1
S	1.0	3.1					2.0						84.9
SSA		0.3					2.3						95.7
SA	1.0	2.2					1.0			1.0			94.1
SEA	1.0	2.0					1.0						86.1
S		1.3					0.3	0.3					88.1
SSA							0.5						89.1
SA		0.5					0.6						83.0
SSA		2.2					1.5						87.1
SSA													88.7
TOTAL		26					14	1		1			100.1
TOTAL	0.0	1.4					0.3	0.1		0.1			87.6

TOTAL NUMBER OF OBSERVATIONS 1,345

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PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

1 2 FALLIN, NV

JANUARY 1973-DECEMBER 1982

1 1000

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NC WEATHER
N		1.4						1.4			.6		1.2	96.4
NNE								2.4						97.4
NNE														100.0
ENE		4.2						3.1						95.8
E		4.3						3.2						93.7
ESE		5.0						5.0						95.7
SE		2.6												97.4
SSE	1.7	3.3												95.1
S		.7									1.5			97.8
SSW		1.7						1.5			1.9			96.2
SW		1.5											4.6	93.8
WSW	1.7							1.4			1.4		1.4	94.3
W	.4	1.3						1.3			.4			95.5
WNW		3.4						.6			.5		.6	95.2
W	.4	1.4						.7	.7				.7	97.1
NNW								.7			1.5			97.8
VAR								.4						99.2
TOTAL		25						17	1		9		5	1722
Avg	.7	1.4						1.1	.1		.5		.4	95.9

TOTAL NUMBER OF OBSERVATIONS 1,778

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PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION NAME FALLON, NV YEARS JANUARY 1973-DECEMBER 1982 MONTH SEPTEMBER HOURS 1151

WIND DIRECTION	RAIN	RAIN THUNDERSTORM	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
ALL		1.4						.5					2.4	97.1
N		7.3											.1	95.9
NNE		1.3						1.3						98.7
NNE														100.0
NNE		7.7												92.3
ENE	3.2	9.7						3.2						97.1
E	3.1													98.9
ESE		1.6						1.6						98.4
E		2.4						1.2						97.6
SSE		3.5						3.6						96.6
S														100.0
SSE		2.1												97.9
SSE	.7							.7						98.7
SSE		1.1												98.9
SSE	2.4	2.4											1.2	98.1
SSE		2.5												97.4
ALL		4.6												99.4
ALL	7	2.5						7	1				1	1534
ALL	.7	1.7						.4	.1				.3	97.5

TOTAL NUMBER OF OBSERVATIONS 1,573

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

GALLIN, NV

JANUARY 1973 - DECEMBER 1982

070451

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREZZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.3	.9							.5				.5	77.7
NNE		1.6												78.4
NNE														79.0
NNE		2.5												77.7
NNE		4.2												75.7
NNE	.8													76.7
NNE	.4	2.7												71.9
NNE	1.1													78.9
NNE	.8	.9												77.7
NNE	.3	2.3												75.3
NNE														100.0
NNE	.7	1.5				1.5							1.5	77.7
NNE	.7	2.9	1.5											76.7
NNE	4.1	4.1						1.4						71.9
NNE	.8	2.2				1.0			1.0				1.0	73.1
NNE	.4	.4												79.1
NNE	.1	.1	.1			.1		.1	.1	.1			.1	17.5
NNE	1.1	1.1	.1			.2		.1	.1	.1			.2	77.4

TOTAL NUMBER OF OBSERVATIONS

1,933

PERCENTAGE FREQUENCY OF WIND DIRECTION  
VS. WEATHER CONDITIONS

STATION NAME

PERIOD JANUARY 1977-DECEMBER 1982

MONTH

HOURS (EST.)

WIND DIRECTION	RAIN (INCHES)	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.1				3.7								74.4
NNE	1.1	.9			2.7								67.4
NNE	1.1												59.9
NNE					5.7								74.7
NNE	.4												65.4
NNE	1.4												56.6
NNE					2.9								97.1
NNE		1.1											95.9
NNE	1.												58.4
NNE													100.0
NNE	.5				3.9								93.2
NNE	.1				2.1			1.1					83.0
NNE	1.	2.1			3.1				1.9			1.	92.0
NNE	.2	2.2			4.4								51.1
NNE		1.3			1.7								56.0
NNE	.5				3.3			1.1					91.1
NNE													
NNE	1.4	1.2			1.6			1.5	1.3				57.5
NNE	.2	.8			1.0			.1	.7			1	16.0
NNE	1.1	.5			1.7			.5	.2			.1	75.0

TOTAL NUMBER OF OBSERVATIONS

1,750

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DATE

TOTAL NUMBER OF OBSERVATIONS 1,628

JANUARY 1973-DECEMBER 1982

ALL

TOTAL NUMBER OF OBSERVATIONS

71.144

PRECIPITATION

(D). Federal Building  
heville, N. C.

## ART B                      PRECIPITATION, SNOWFALL & SNOW DEPTH

is portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of  
e following:

**B**

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL\*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.

The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather	From beginning of record thru Jun 52	Snow depth at 0030 GCT
Bureau Stations	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

STATION                      STATION NAME                      YEARS                     

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	11.7	15.7	1.6	4.3	2.5	3.2	1.5							13.0	67	.44	1.65	0.00
FEB	6.0	15.7	0.7	3.2	3.3	3.5	1.7	.3						18.7	706	.52	2.33	0.00
MAR	6.7	15.7	2.6	4.3	3.4	2.7	1.4	.4						14.7	775	.49	1.48	0.00
APR	7.6	13.3	1.7	3.6	2.8	2.9	1.7	.3						12.0	700	.42	1.13	0.00
MAY	7.6	13.3	.6	2.7	2.3	3.5	1.9	.1						11.0	775	.57	1.72	0.00
JUN	7.7	9.1	1.0	4.3	1.7	2.9	1.7	1.9	.7					13.0	750	.76	2.74	0.00
JUL	7.6	6.9	1.0	3.1	.7	1.7	1.7							6.0	775	.25	1.24	0.00
AUG	.7	.6	.7	3.1	1.5	1.7	.7	.4	.1					7.2	744	.35	1.74	0.00
SEP	7.6	6.9	1.2	2.1	1.1	2.1	.6	.2	.7					7.4	660	.31	1.18	0.00
OCT	.7	.6	1.7	2.1	1.7	1.7	.9	.3						7.6	713	.34	2.26	0.00
NOV	7.6	11.2	2.0	4.2	1.4	2.9	1.6	.1						14.0	750	.42	1.56	0.00
DEC	7.6	13.3	1.7	4.3	2.9	2.8	.7	.1						12.7	602	.36	1.25	0.00
ANNUAL	77.0	11.0	1.6	3.6	2.1	2.6	1.2	.3	.7					11.5	9732	0.23		

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# DAILY AMOUNTS PERCENTAGE FREQUENCY OF (FROM DAILY OBSERVATIONS)

STATION NAME YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN			1.3	1.6	.7	.7	.7	.1						4.5	642	1.7	1.7	.
FEB			1.6	2.5	1.	.6	.1							6.1	715	1.2	1.	.
MAR		1.1	1.7	2.7	.4	.4	.1	.1						2.7	775	1.7	3.7	.
APR		2.	1.7	1.7	.4	.1								7.4	723	.9	7.4	.
MAY		2.	.	.3				.1						.	775	.3	.	.
JUN	2.7	.1													755	2.7	.	.
JUL	2.7														775	.7	.	.
AUG	2.7														744	.7	.	.
SEP	2.9	.													663	2.9	.	.
OCT	2.9	1.	.1	.1	.1									.4	713	.1	2.	.
NOV	2.	4.	1.7	.8	.4	.1	.1							3.7	720	.9	7.4	.
DEC	2.7	1.	2.1	1.4	.7	.1	.7	.1						4.7	713	1.6	6.7	.
ANNUAL		4.7	.7	.9	.3	.1	.1	.						2.4	733	.9		

NAVWEASERVCOM

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	.5	7.5	4.3	1.3	0.7	1.0								17.1	610			
FEB	.5	3.7	1.5	1.2	.1									1.1	572			
MAR	.7	3.0	.7	.7		.1								1.3	744			
APR	.5	1.5	.1											.1	602			
MAY	.7	.1				.1								.1	775			
JUN	.5														710			
JUL	.5														775			
AUG	.5														744			
SEP	.5	.7													650			
OCT	.5	.5	.1											.1	713			
NOV	.7	1.5	.7	.8	.1									1.7	750			
DEC	1.1	1.1	1.5	1.2	.7	.7								3.5	652			
ANNUAL	1.7	2.7	.3	.5	.7	.2								1.7	8643			

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION  
(FROM DAILY OBSERVATIONS)

STATION NAME: MILLON, NC YEARS: 57-87

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57													
58	.04	.26	.14	.26	.30	.53	.28	.00	.23	.09	.09	.11	.53
59	.03	.14	.00		.39	.00	.02	1.75	.14	.06	.00	.03	
60	.07	.05	.11	.07	.02	.00	.16	.00	.03	.07	.52	.47	.52
61	.15	.22	.34	.04	.37	.50	.15	.05	.27	.20	.25	.21	.55
62	.32	.78	.23	.01	.71	.57	.47	.10	.00	.00	.11	.02	.78
63	.17	.33	.30	.26	.27	.34	.00	.05	.44	.27	.12	.50	.50
64	.00	.10	.45	.19	.02	.54	.03	.14	.00	.24	.08	.17	.52
65	.15	.14	.22	.47	.85	.23	.23	.56	.25	.03	.43	.16	.85
66	.04	.14	.09	.15	.12	.30	.01	.04	.37	.00	.12	.61	.61
67	.17	.05	.33	.30	.27	.51	.49	.13	1.20	.01	.44	.00	1.20
68	.37	.46	.20	.84	.29	.23	.13	.73	.00	.21	.22	.35	.74
69	.43	.28	.09	.10	.24	.51	.02	.00	.01	.22	.27	.31	.51
70	.10	.21	.22	.05	.11	.27	.33	.17	.00	.00	.11	.14	.57
71	.47	.05	.15	.25	.45	.10	.21	.16		.40	.13		
72	.09	.05	.07	.10	.17	.56	.07	.10	.57	.73	.21	.10	.72
73	.40	.67	.17	.13	.31	.05	.07	.13	.00	.19	.33	.15	.67
74	.28	.06	.10	.27	.03	.04	.27	.27	.00		.48	.40	
75	.17	.09	.34	.09	.13	.45	.10	.34	.35	.29	.08	.04	.45
76	.10	.33	.15	.25	.05	.65	.41	.18		.61	.07		
77	.15	.00	.04	.06	.39	1.46	.17	.08	.10	.00	.02		
78		.07	.51	.53	.06	.03	.02	.00	.25	.08	.27	.21	
79	.15	.27	.53	.49	.14	.05	.17	.33	.00	.05	.16	.00	.7
80		.10	.27	.19	.32	.03	.20	.04	.34	.08	.39	.07	
81	.05	.09	.40	.32	.25	.01	.01	.10	.08	.24	.27	.06	.40
82		.07	.22	.14	.11	1.02	.02						
83													
84													
85													
86													
87													
MEAN	.13	.27	.23	.23	.27	.39	.16	.24	.27	.13	.22	.15	.67
S.D.	.137	.188	.167	.194	.210	.375	.149	.3	.282	.223	.149	.172	.77
TOTAL OBS.	642	706	775	720	775	753	775	744	667	713	757	682	5732

SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1951-55

24 HOUR AMOUNTS IN INCHES  
(BASED ON LESS THAN FULL MONTHS)

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
51				.20 23									PRECIP DAYS
52												.30 10	PRECIP DAYS
53										.30 30			PRECIP DAYS
54												.80 10	PRECIP DAYS
55												.40 10	PRECIP DAYS
56	.32 10												PRECIP DAYS
57	.75 10												PRECIP DAYS
58	1.00 10							.81 20	.52 16	.54 26	.28 16	.20 26	PRECIP DAYS
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
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92													
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94													
95													
96													
97													
98													
99													
00													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW FALL

(FROM DAILY OBSERVATIONS)

STATION 10000 STATION NAME FALLON, V. YEARS 57-90

24 HOUR AMOUNT IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57											2.4	.	
58	.	.	1.4	.	.	.	.	.	.	.	.	.	1.4
59	.	1.3	.	.	.	.	.	.	.	.	.	.	
60	.	.1	.	.	.	.	.	.	.	.	.	.	.
61	.	.	1.0	.	.	.	.	.	.	2.7	3.7	.	3.7
62	3.7	2.2	2.6	.	.	.	.	.	.	.	1.1	.	3.7
63	.	.	3.3	2.6	.	.	.	.	.	.	.	5.3	5.3
64	.	1.0	4.8	1.8	6.7	.	.	.	.	.	1.0	.	6.7
65	.	.	.	.	1.3	.	.	.	.	.	.	1.7	1.6
66	.	1.4	.1	.	.	.	.	.	.	.	.	2.4	2.4
67	.	.	7.3	2.0	.	.	.	.	.	.	.	.	3.3
68	3.7	.	.	.	.	.	.	.	.	.	.1	3.5	3.5
69	7.3	2.9	.	.	.	.	.	.	.	.	.	1.1	3.3
70	.	.5	7.2	.1	.1	.	.	.	.	.	.	.	7.2
71	4.7	2.6	1.6	.5	.	.	.	.	.	1.0	.	3.4	
72	.9	.3	.	1.0	.	.	.	.	.	.	.	1.2	1.
73	4.7	7.5	.5	.	.1	.	.	.	.	.	.1	.7	4.7
74	.	.	1.0	.6	.	.	.	.	.	.	.	4.7	
75	.1	.6	.3	.9	.1	.	.	.	.	.	.	.	.
76	1.6	2.8	1.8	.6	.	.	.	.	.	.	.	.	
77	.1	.	.2	.	.	.	.	.	.	.	.	.	
78	.	7.0	.	.	.	.	.	.	.	.	2.7	2.1	
79	1.7	2.0	.	.	.	.	.	.	.	.1	.	.	2.7
80	.	.	.	.	.	.	.	.	.	.	.	.	
81	.	.	.5	.	.	.	.	.	.	.	.1	.1	.
82	.	7.0	1.2	.2	.3	.	.						
83													
84													
85													
86													
87													
88													
89													
90													
MEAN	1.17	1.4	1.12	.44	.37	.00	.00	.00	.00	.13	.55	1.17	3.23
S.D.	1.404	1.196	1.318	.727	1.206	.000	.000	.000	.000	.453	1.006	1.511	1.543
TOTAL OBS.	627	706	775	727	775	757	775	744	667	713	720	713	8713

SMOS

## EXTREME VALUES

STATION

FALLON, NV

57-87

STATION NAME

**YEARS**

24 HOUR AMOUNTS IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

[illegible]

## SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNOW DEPTH  
(FROM DAILY OBSERVATIONS)

STATION FALLON, NV STATION NAME 57-87 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57													
58													
59													
60													
61													
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NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SNO. DEPTH  
(FROM DAILY OBSERVATIONS)

STATION 57-80 STATION NAME FALLON, NV YEARS

DAILY SNO. DEPTH IN INCHES  
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
70				28									SNO. DEPTH DAYS
71		27											SNO. DEPTH DAYS
72			30	29									SNO. DEPTH DAYS
73												2	SNO. DEPTH DAYS
74										30			SNO. DEPTH DAYS
75												30	SNO. DEPTH DAYS
76												1	SNO. DEPTH DAYS
77												30	SNO. DEPTH DAYS
78													SNO. DEPTH DAYS
79													SNO. DEPTH DAYS
80													SNO. DEPTH DAYS
81													SNO. DEPTH DAYS
82													SNO. DEPTH DAYS
83													SNO. DEPTH DAYS
84													SNO. DEPTH DAYS
85													SNO. DEPTH DAYS
86													SNO. DEPTH DAYS
87													SNO. DEPTH DAYS
88													SNO. DEPTH DAYS
89													SNO. DEPTH DAYS
90													SNO. DEPTH DAYS
91													SNO. DEPTH DAYS
92													SNO. DEPTH DAYS
93													SNO. DEPTH DAYS
94													SNO. DEPTH DAYS
95													SNO. DEPTH DAYS
96													SNO. DEPTH DAYS
97													SNO. DEPTH DAYS
98													SNO. DEPTH DAYS
99													SNO. DEPTH DAYS
00													SNO. DEPTH DAYS
MEAN													
S D													
TOTAL OBS													

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

102 FALL N. M.  
STATION STATION NAME

1951-1982  
YEARS

JANUARY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.2		6 1971	2.3	58	1971
2			1971			1971
3	0.2		6 1973	2.	51	1973
4	0.2		1 1982	0.1	3	1982
5	0.2	25	1962	17.0	254	1982
6	0.2	2	1975	0.6	15	1965
7	0.1	3	1971	0.3	8	1979
8	0.2	5	1973	2.	51	1973
9	0.1	5	1976	1.6	41	1976
10	0.	1	1973	5.5	13	1973
11	0.	19	1947	7.5	191	198
12	0.2		1962	3.	76	1962
13	0.4	12	1971	4.7	119	1971
14	0.11	3	1977			1982
15	0.12	3	1973	1.7	12	195
16	0.2	5	1973			
17	0.2	7	1967			1967
18	0.1	3	1973			1987
19	0.12	3	1979	0.3	5	1982
20	0.1	4	1974	1.2	3	1962
21	0.4	12	1973	4.	102	1973
22	0.1	4	1977	0.4	10	1965
23	0.1	4	1955			1976
24	0.13	3	1969	3.3	84	1969
25	0.31		1969	0.5	13	1979
26	0.4	12	1969	0.2	5	1973
27	0.2	2	1981			1982
28	0.2	2	1972	0.9	23	1972
29	0.34	2	1987	3.4	86	1987
30	0.3	3	1968	3.5	87	1968
31	0.1	4	1963	0.5	13	1979
Monthly	0.2	25	1962	17.0	254	1982

FEBRUARY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.10		1963			1979
2	0.22	6	1961	2.0	51	1979
3	0.25	7	1958			1967
4	0.2	7	1976	2.5	71	1976
5	0.0	1	1972			1973
6	0.13	3	1976	1.0	41	1976
7	0.07	2	1973	0.5	13	1976
8	0.10	5	1982	2.0	51	1982
9	0.37	9	1978	0.9	23	1976
10	0.7	20	1962	1.4	36	1966
11	0.67	17	1973	3.5	89	1973
12	0.12	3	1968	0.4	10	1966
13	0.33		1967	3.0	76	1973
14	0.07	2	1969	0.1	3	1975
15	0.2	6	1969	0.4	10	1974
16	0.14	4	1959	0.1	3	1975
17	0.10	3	1980			1961
18	0.26	7	1962	1.9	48	1962
19	0.2	7	1969	2.8	71	1969
20	0.77	2	1979	0.7	18	1969
21	0.30	2	1980	0.7	18	1972
22	0.13	4	1968			1971
23	0.0	1	1969	0.7	18	1962
24	0.1	4	1969	1.6	41	1969
25	0.22	6	1962	2.2	56	1962
26	0.09	2	1969	0.9	23	1969
27	0.12	3	1971	1.2	30	1971
28	0.2	6	1971	2.5	64	1971
29			1976			
30						
31						
Monthly	0.7	20	1962	3.5	89	1973

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

STATION

FALLON, N.C.

STATION NAME

1954-1982

YEARS

MARCH

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.22	6	1979	0.1	3	1977
2	0.34	9	1961	1.0	25	1961
3	0.33	8	1967	3.3	84	1967
4	0.12	6	1970	2.2	56	1977
5	0.3	9	1975	0.3	8	1970
6	0.2	7	1962	1.4	36	1958
7	0.11	3	1975	0.5	13	1969
8	0.10	5	1968	T	T	1970
9	0.2	7	1978	2.6	66	1967
10	0.2	2	1978	0.1	15	1969
11	0.2	6	1982	0.5	20	1972
12	0.2	6	1967	0.6	15	1971
13	0.1	12	1981	0.5	13	1981
14	0.1	2	1982	T	T	1963
15	0.1	13	1979	T	T	1970
16	0.1	5	1967	0.5	13	1958
17	0.1	13	1963	3.5	97	1963
18	0.1	2	1982	0.8	20	1982
19	0.1	1	1981	T	T	1982
20	0.1	4	1973	0.3	8	1973
21	0.17	3	1979	T	T	1982
22	0.33	8	1964	3.3	84	1964
23	0.1	12	1964	4.8	122	1964
24	0.27	2	1975	0.7	18	1965
25	0.2	2	1971	T	T	1975
26	0.2	1	1981	T	T	1981
27	0.1	5	1976	1.2	46	1976
28	0.1	16	1979	0.1	3	1973
29	0.1	5	1970	T	T	1981
30	0.1	1	1973	T	T	1977
31	0.1	13	1979	1.2	3	1982
Monthly	0.2	16	1979	4.8	122	1964

APRIL

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.4	21	1968	1.2	3	1967
2	0.04	1	1967	0.4	10	1967
3	0.24	7	1958	0.6	15	1974
4	0.30	3	1967	T	T	1970
5	0.18	5	1964	1.8	46	1964
6	0.06	2	1955	0.1	3	1975
7	0.20	5	1971	0.6	15	1975
8	0.22	6	1978	T	T	1970
9	0.07	1	1965	T	T	1979
10	T	T	1982	T	T	1965
11	0.47	12	1965	1.0	25	1967
12	0.10	3	1972	1.0	25	1972
13	0.03	2	1973	T	T	1976
14	0.13	3	1973	T	T	1970
15	0.04	2	1976	0.6	15	1976
16	0.12	6	1963	2.2	56	1963
17	0.13	4	1966	0.1	3	1963
18	0.32	8	1981	0.4	10	1967
19	0.27	7	1974	2.6	66	1963
20	0.14	4	1963	1.4	36	1963
21	0.13	5	1955	T	T	1970
22	0.14	4	1964	1.0	26	1964
23	0.13	5	1950	T	T	1979
24	0.30	7	1967	2.0	51	1967
25	0.3	13	1978	0.1	3	1975
26	0.44	12	1970	T	T	1975
27	0.03	1	1970	T	T	1970
28	0.03	1	1965	T	T	1970
29	T	T	1970	T	T	1967
30	0.07	2	1979	T	T	1967
31						
Monthly	0.4	21	1968	2.6	66	1963

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

STATION

STATION NAME

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.7	10	1977	0.5	27	1964
2	0.7	1	1977	T		1965
3	0.4	11	1971			
4	0.7	2	1969	0.1	3	1975
5	0.3	16	1964	6.0	152	1964
6	0.1	5	1971	T		1977
7	0.12		1980	T		1979
8	0.2	6	1977	T		1979
9	0.3		1977	T		1982
10	0.1	5	1963	0.3		1982
11	0.7		1964			
12	0.1	10	1977	T		1961
13	0.1	4	1962			
14	0.1	13	1962	T		1967
15	0.1	4	1962			
16	0.1	3	1961			
17			1962	T		1977
18	0.11	3	1962			
19	0.1	3	1961			
20	0.2	6	1961	T		1975
21	0.2	7	1971	T		1971
22	0.2	22	1965			
23	0.8	1	1965	T		198
24	0.7	5	1967			
25	0.1	5	1964			
26	0.4	14	1964			
27	0.14	2	1971			
28	0.0	2	1962			
29	0.17	4	1961			
30	0.1	4	1960			
31	0.3		1961	T		1967
Monthly	0.7	22	1965	6.0	152	1964

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.7	13	1961			
2	0.38	2	1972			
3	0.0	5	1967			
4	0.10	3	1971			
5	0.1	13	1967			
6	0.1	5	1972			
7	0.3	13	1967			
8	0.4	14	1964			
9	1.4	37	1977			
10	0.5	17	1976			
11	0.3	13	1958			
12	0.3	13	1958			
13	0.1	4	1958			
14	0.57	14	1962			
15	0.04	2	1962			
16	0.2	6	1969			
17	0.1	5	1965	T	T	1979
18	0.4	11	1975			
19	0.2	23	1960			
20	0.06	2	1969			
21	0.04	1	1976			
22	0.02	1	1962			
23	0.01		1969			
24	0.07	2	1982			
25	0.05	2	1965			
26	0.05	1	1971			
27	0.7	25	1977			
28	0.2	21	1982			
29	1.0	27	1982			
30	0.0	2	1982			
31						
Monthly	1.4	37	1977	T	T	1979

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## DAILY EXTREME AMOUNTS

STATION 100 FALL 19, 70 STATION NAME YEARS

1951-1962

JULY  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.1		5 1960			
2	.0		1 1961			
3	.0		1 1961			
4	.0		2 1961			
5	.1		5 1967			
6			10 1962			
7			10 1962			
8	.0		1 1967			
9	.1		2 1974			
10	.33		4 1977			
11	.0		1 1964			
12	.4		12 1967			
13	.0		5 1968			
14			1 1960			
15	.0		1 1967			
16	.0		12 1967			
17	.2		7 1969			
18	.11		3 197			
19	.1		5 1971			
20	.1		5 1971			
21	.0		1 1979			
22	.0		1 1979			
23	.1		17 1974			
24	.0		2 1976			
25	.11		3 1965			
26			1 1968			
27	.0		1 1967			
28	.01		196			
29	.0		1 1967			
30	.2		6 1965			
31	.4		9 1976			
Monthly	.1		12 1967			

AUGUST  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.27		7 1974			
2	0.02		1 1974			
3	0.0		1 1976			
4	0.02		1 1977			
5	0.07		1 1974			
6	0.5		14 1961			
7	0.0		2 1961			
8	0.07		2 1961			
9	0.07		1 1967			
10	0.12		3 1961			
11	0.10		3 1970			
12	0.1		5 1970			
13	0.13		10 1968			
14	0.1		4 1965			
15	0.07		2 1976			
16	0.10		7 1965			
17	0.50		14 1965			
18	0.14		4 1976			
19	1.15		44 1959			
20	0.11		3 1975			
21	0.1		4 1961			
22	0.1		3 1976			
23	0.01		1960			
24	0.1		3 1967			
25	0.07		2 1961			
26	0.1		4 1971			
27	0.07		1 1975			
28	0.07		1 1970			
29	0.33		1979			
30	0.02		1 1970			
31	0.1		4 1964			
Monthly	1.5		44 1959			

\* ALSO ON EARLIER YEARS  
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

STATION

STATION NAME

YEARS

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.1		4 1977			
2			1972			
3	.0		1 1979			
4	.20	30	1967			
5	.57	14	1972			
6	.0	5	1979		T	1980
7	.34		1980		T	1980
8	.01		1980			
9	.0	1	1980			
10	.3		1975			
11	.11	3	1969			
12			1977			
13	.0	2	1975			
14	.1	4	1969			
15	.0	1	1982			
16	.2	6	1961			
17	.57	5	1961		T	1975
18	.4	11	1963			
19	.0	1	1963			
20	.0	1	1962			
21			1967			
22			1973			
23	.0	2	1967			
24	.0	10	1962			
25	.0	13	1982			
26	.0	1	1970			
27	.11	3	1962			
28	.17	3	1967			
29	.3		1972	1.0	30	1980
30	.0	1	1972			
31						
Monthly	.2	3	1967	1.0	30	1980

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	.0	19	1972			
2	.1	21	1976			
3	.3		1974			
4	.0	2	1974			
5	.01		1967			
6	T	T	1970			
7	.00	5	1972			
8	.27	7	1974			
9	.10	3	1972			
10	.24	6	1981			
11	.37	9	1967			
12	.10	3	1981	T	T	1961
13	.01	5	1969			
14	.05	1	1969			
15	.02	6	1969	T	T	1960
16	.30		1971	T	T	1972
17	.40	10	1971			
18	.17	4	1969			
19	.4	12	1972			
20	.40	10	1972			
21		T	1962			
22	.01		1962	T	T	1970
23	.0	1	1973			
24	.07	2	1971			
25	.11	3	1962			
26	.01	5	1962			
27	.00	5	1961	2.0	50	1961
28	.17	3	1974	T	T	1961
29	.28	7	1974			
30	.04	14	1982	.1	3	1971
31	.17	4	1974	T	T	1970
Monthly	.1	21	1976	2.0	51	1961

\* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

STATION FALLON, N. STATION NAME YEARS

PRECIPITATION  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.0	13	1979			
2	0.0	1	1985			
3	0.0	6	1965	0.2	5	1957
4	0.0	6	1957	2.4	61	1957
5	0.0	2	1967			
6	0.0	13	1966			
7	0.1	3	1986			
8	0.0	1	1974			
9	0.0	2	1974	0.1	3	1982
10	0.1	4	1978	1.0	38	1971
11	0.0	1	1967	2.3	57	1976
12	0.1	5	1971	1.1	27	1972
13	0.2	7	1981	2.7	69	1978
14	0.3	7	1965	0.5	13	1959
15	0.0	2	1959	0.2	27	1959
16	0.0	11	1965	1.1	27	1962
17	0.0	1	1977	0.1	7	1967
18	0.0	11	1967			
19	0.0	1	1967			
20	0.0	6	1961	3.7	94	1961
21	0.0	1	1978			
22	0.0	7	1965	0.4	10	1987
23	0.0	11	1965	0.1	3	1973
24	0.0	1	1965			
25	0.1	3	1961	0.1	7	1968
26	0.0		1961	0.1	7	1961
27	0.1	3	1967	0.3	27	1970
28	0.0	1	1967	0.4	10	1967
29	0.1	3	1977			
30	0.0	7	1967			
31						
Monthly	0.0	13	1967	3.7	94	1961

PRECIPITATION  
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.2	11	1966	0.0	27	1967
2	0.1	5	1961			
3	0.0	1	1961			
4	0.12	3	1974	0.0	15	1964
5	0.1	5	1966	0.0	27	1964
6	0.1	15	1966			
7	0.02	1	1972	0.0	5	1972
8	0.1	4	1969			
9	0.0	13	1963	0.0	127	1963
10	0.07	1	1961	0.0	17	1961
11	0.12	3	1964			
12	0.1	4	1965	0.0	15	1972
13	0.0	1	1975	0.3	7	1975
14	0.10	3	1972	1.0	25	1972
15	0.0	1	1977	0.0	5	1977
16	0.07	2	1957	0.0	5	1977
17	0.03	7	1977	0.3	7	1969
18	0.10	3	1977	1.0	25	1979
19	0.3		1969	3.0	76	1969
20	0.31		1969			
21	0.17	4	1969			
22	0.22	6	1967	0.1	7	1965
23	0.03	7	1977			
24	0.03	1	1965			
25	0.03	6	1967	2.4	61	1966
26	0.02	1	1966			
27	0.4	11	1977	3.4	76	1971
28	0.2	6	1977	1.0	40	1974
29	0.1	4	1971	1.5	38	1971
30	0.0	10	1974	4.0	102	1974
31	0.07	2	1973	0.7	18	1973
Monthly	0.1	13	1966	5.0	127	1963

\* ALSO ON EARLIER YEARS  
T = TRACE, AN AMOUNT TOO SMALL TO MEASURE  
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

WINDS (SFC)

John, Federal Building  
Asheville, N. C.

## PART C

## SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WIND  
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

DAILY WIND GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS	
1	37SSW	46SSW	50S	46SW	44SW	34NNW	37SE	34E	31NW	37W	47SW	20	SW 70	
2	37SSW	37WSW	43NNW	35WSW	47SE	42SSW	44WSW	51SSW	34NNE	26W	35W	47	WSW 47	
3	27WSW	48WSW	47SSW	33WSW	37NNW	40WSW	33W	33SSW	36N	32WSW	37SSW	34	WSW 46	
4	37NNW	39W	41S	42NNW	42WSW	47SW	32N	40WSW	31W	46WSW	34W	47	W 47	
5	46SSW	39NNW	43W	50NNW	40NNW	31NNW	31NW	33SSW	46SSW	42W	29SSW	27	W 47	
6	44W	28S	28SW	43SW	42WSW	36SE	40W	35SW	32WSW	43NNW	42SSW	29W	SW 47	
7	43N	22W	30S	40W	40SW	38SW	32W	38E	31NNW	27WSW	33W	47	SSW 43	
8	44W	35W	32WSW	37W	36SE	37SE	35SE	46NW	29W	34SE	28S	47	SE 47	
9	37N	40W	44W	35SE	36W	29SW	37W	38NE	39W	33SW	40SSW	34	W 44	
10	35WSW	36W	38WSW	39SW	42N	38SW	39NNW	33SE	37W	40W	38SW	37	SW 47	
11	37W	33S	43W	31W	28N	30S	41SW	41NW	31SW	35W	40SSW	37	SW 43	
12	44S	33W	37WSW	39W	29W	35SW	34SE	37NW	29W	34W	34SW	34	S 44	
13	41S	37NW	35S	41W	32N	38N	42SE	22NE	35W	27S	34SW	34	W 47	
14	3132	4323	4627	3835	3927	3332	41		36	34	19	47		
15	23	3525	3526	3724	39	71	4237	2912	2935	3134	4733	2327	33	
16	17	3721	2927	3333	3425	4030	3112	3524	3811	3222	3527	3621	5	21
17	19	3721	4917	4020	4527	3416	4021	4136	3836	2912	2619	3129	21	21
18	27	3525	2720	4120	4128	3924	4430	3628	3711	3727	31	34	37	
19	26	2921	4725	4137	4029	3223	2317	3229	31	11	2935	2732	22	
20	24	3237	1927	4537	3520	3622	3515	3316	30	27	31	26	34	
21	14	3421	3527	3125	33		24	4720	39	01	25	35	3	
22	25	3322	3923	34		22	3924	2811	3527	26	24	3916	37	
23	24	3524	33	26	37	27	3426	3032	3524	2921	32	22	31	
24	17	32		29	31	27	4027	4213	3823	3318	3921	47		
25	27	4425	3626	4926	5601	3821	4214	28						
26														
27														
28														
29														
30														
31														
MEAN	36.6	37.3	40.4	39.1	37.4	36.8	37.5	35.4	32.0	33.4	34.2	36.7	45.7	
S.D.	5.364	5.803	5.203	6.195	4.849	5.769	5.173	5.719	5.324	5.717	6.220	6.557	3.834	
TOTAL OBS	171	614	705	718	619	690	771	71	595	779	796	765	723	

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

SURFACE WINDS  
(FROM DAILY OBSERVATIONS)

STATION LENN, NC STATION NAME 57-87 YEARS

DAILY PEAK GUST IN KNOTS  
(BASED ON LESS THAN 200 OBSERVATIONS FOR MONTH)

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1								15 25			25 40		WINDY DAYS
2					33 46			25			15		WINDY DAYS
3											21 31		WINDY DAYS
4									21 25		24 42		WINDY DAYS
5					24 41	15 28		32 36			01 30		WINDY DAYS
6					16 27	4		15			23		WINDY DAYS
7				20 33	22 41					27 35			WINDY DAYS
8			30 35	22	27					22			WINDY DAYS
9			27		24 36						24 33		WINDY DAYS
10					20 37	29 43					16		WINDY DAYS
11					26	23							WINDY DAYS
12								15 34 36	35 24	32 27	36 20	44	WINDY DAYS
13								24	26	22	4	21	WINDY DAYS
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
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91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN													
S D													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME 73 YEARS JAN  
STATION ALL WEATHER CLASS 01  
CONDITION NOV 1957

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		100.0										100.0	4.0
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL												.0	
CALM												100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 1

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV 77 YEARS JAN  
STATION NAME ALL WEATHER MONTH 04  
CLASS                      HOURS (L S T)                       
CONDITION                     

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		50.0										50.0	5.0
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW	50.0											50.0	2.0
W													
WNW													
NW													
NNW													
VARBL												.0	
CALM													
	50.0	50.0										100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME 73-52 YEARS JAN  
STATION ALL WEATHER CLASS 07 MONTH 07  
STATION CONDITION HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.0	.7									3.0	0.8
NNE	.7	.7										.7	4.5
NE	1.7	.7	.7									2.3	3.9
ENE	.7	.7	.7									1.0	4.7
E	2.7		.7									3.0	2.3
ESE	2.0	1.3										3.3	3.3
SE	2.0	.7	.7	.3								3.7	4.6
SSE	3.3	1.3	1.0	2.0	.7							8.3	7.3
S	4.7	1.7	1.0	1.3								8.6	5.4
SSW	1.7	.7	.7	.7								4.0	3.6
SW	2.0	.7		.7								3.3	4.9
WSW	1.7	.7										2.7	2.0
W	2.3	1.7		.7								4.3	3.8
WNW			.7									.3	9.0
NW	1.0	2.0		.7								3.7	4.8
NNW	1.7	1.3		.7								3.0	4.3
VARBL													
CALM												45.0	
	20.6	14.2	5.4	5.6	.7							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 301

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME 73-82 YEARS JAN  
STATION ALL WEATHER CLASS 10  
CONDITION 10

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	1.0	1.3	.3	.7							7.9	5.1
NNE	2.6	1.0	.3	.3								4.3	4.0
NE	1.3	.3										1.6	2.6
ENE	2.3	.7										3.0	2.9
E	2.0		.7	.3								2.6	4.3
ESE	1.7	.7										2.0	3.3
SE	2.6	2.5	1.3	.7								7.6	4.6
SSE	4.9	3.6	1.7	1.0	.3	.3						11.2	5.5
S	2.3	3.0	2.0	1.3	.7							10.2	6.9
SSW	2.0	1.3	.7	.7								3.9	4.8
SW	1.3	.3		.3								2.0	4.5
WSW	.3	.7										1.0	4.0
W	1.3	1.0	.7	.3								2.3	5.2
WNW	.7	.3	.7									1.7	4.5
NW	1.0	.7	.7	.3								2.3	5.1
NNW	1.3	1.6	.3	.7								3.9	6.0
VARB													
CALM												31.9	
	32.4	19.7	8.2	5.9	1.3	.7						120.0	3.5

TOTAL NUMBER OF OBSERVATIONS 304

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, ND STATION NAME 73-82 YEARS JAN  
ALL WEATHER NORTH  
 CLASS 13  
 HOURS (LST) 13  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.6	.7	1.0	.7							12.7	5.0
NNE	2.9	2.7	.7									6.4	3.7
NE	3.3	3.0	.7									7.6	3.8
ENE	2.3	1.6	.3									4.7	4.0
E	1.0	.7	.7	.3								2.6	4.3
ESE	1.0	1.3		.3								2.6	5.1
SE	.7	1.0	.7	.7	.7							3.6	3.6
SSE	1.3	1.0	.7	.7		.7						3.9	7.2
S	2.3	3.0	2.3	1.3	.3	.3						9.5	7.2
SSW	1.0	.3	1.0	.3	.3							3.7	7.8
SW	1.0	.3	.3	.7								2.3	6.1
WSW	.7	.7		.3								1.6	5.4
W	.7	.7	1.0	.7								3.0	7.3
WNW	1.0	.7	.7	1.0								3.7	7.3
NW	2.0	1.0		.3	.3							3.6	5.5
NNW	3.6	1.0	1.0	.7								6.2	4.6
VARBL													
CALM												23.7	
	32.6	22.7	9.6	8.2	2.3	.7						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 374

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 01107 FALCON, NV STATION NAME 77-11 YEARS JAN  
ALL WEATHER MONTH 16  
 CLASS 16  
 HOURS (LST) 16  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	7.3	3.7	1.7								17.5	5.1
NNE	1.0	6.3	3.7									14.5	4.6
NE	3.3	5.6	2.0									10.5	4.9
ENE	1.7	2.3	1.0									5.0	4.5
E	2.0	.3	.7									3.0	4.0
ESE	.7	1.0	1.0									2.6	5.5
SE		2.3		.3	.3							3.0	7.4
SSE	1.0	1.0	1.3	.3	.3							4.0	7.6
S	1.3	1.3	2.0	.3								5.3	6.1
SSW	.3		.7	.3								1.7	4.5
SW	.7	.7		.7	.7							2.3	4.7
WSW	.7											.7	2.5
W	.7	.7	.7	1.0	.7							3.5	4.4
WNW	1.0	.7	.3									2.0	4.5
NW	.3	1.7	1.3									3.3	5.9
NNW	2.5	2.0	1.3	.7	.3							6.9	5.8
VARBL													
CALM												14.0	
	25.4	33.7	19.1	4.6	2.0							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 303

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLA, NY STATION NAME 73-02 YEARS JAN  
MONTH 10  
CLASS ALL WEATHER  
HOURS (L S Y) 10  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.7	.3	.7								11.1	3.2
NNE	1.7	1.7										7.7	2.6
NE	1.7	.7										7.4	2.6
ENE	1.7	1.7										3.3	3.1
E	1.7	.7		.7								2.4	3.7
ESE	.7	.3	.7									1.7	5.2
SE	1.7	1.7	.7		.3							3.7	6.2
SSE	.3	2.4	.3	1.7	.7							4.4	7.7
S	1.7	2.4	.7	.7								5.1	5.3
SSW	.3	.7	.7									3.4	3.8
SW	2.4	.3										2.7	2.9
WSW	1.7	.7										1.7	2.8
W	1.7	.7	.7									2.4	4.4
WNW	1.7	1.7										2.4	4.3
NW	1.7	.3	1.7	.7								3.0	5.9
NNW	2.4	1.7	1.7									4.7	4.6
VARBL													
CALM												33.3	
	40.1	16.3	6.4	2.7	.7							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 207

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 73-70, 80-32 YEARS JAN  
ALL WEATHER MONTH 27  
 CLASS 27  
 CONDITION 27  
 HOURS (LST) 27

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.1	.4									4.7	4.7
NNE	2.1	.4										3.0	7.3
NE	2.1											2.1	3.0
ENE	.4											.4	2.0
E	2.1	.4										2.6	7.1
ESE	.4	1.3	.4									2.6	4.3
SE	2.1	.4		.4								3.4	4.0
SSE	4.3	1.7	1.7	.4								8.2	4.6
S	1.7	2.6	.4	.4	.9							12.4	5.0
SSW	2.6	.4										4.3	2.7
SW	2.6		.4									3.0	3.5
WSW		1.7										1.7	4.3
W	1.7	.4	.4									2.6	3.5
WNW	.4	.4	.4									1.7	5.7
NW	.4	.4		.9								2.1	7.2
NNW	4.3	2.6	1.7									8.2	4.3
VARBL													
CALM												73.0	
	30.1	16.7	5.8	2.6	.9							170.0	2.9

TOTAL NUMBER OF OBSERVATIONS 273

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIR HAVEN STATION NAME FAIR HAVEN YEARS 1952-53 JAN NORTH  
ALL WEATHER CLASS ALL HOUR U.S.Y.  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	3.7	1.1	.5	.2							9.6	4.7
NNE	2.4	2.1	.7	.1								6.3	3.5
NE	2.1	2.5	.5									7.2	3.6
ENE	1.5	1.1	.7									2.9	3.0
E	1.3	.2	.7	.2								2.7	2.6
ESE	1.1	1.0	.2	.1								2.5	4.4
SE	1.4	1.4	.5	.4	.2							4.2	5.5
SSE	2.2	1.3	1.0	.2	.3	.1						6.6	6.4
S	2.2	2.4	1.5	.2	.3	.1						8.4	6.1
SSW	1.3	.6	.5	.2	.1							3.3	4.8
SW	1.5	.4	.1	.4	.1							2.6	5.7
WSW	.2	.4		.1								1.5	3.7
W	1.7	.0	.5	.4	.1							3.7	5.8
WNW	.7	.2	.2	.2								1.7	5.5
NW	1.1	1.0	.5	.2	.1							3.8	5.5
NNW	2.5	1.5	.0	.4	.1							5.0	7.1
VARBL													
CALM												10.7	
	32.7	20.9	9.2	5.0	1.3	.2						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 1145

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRFAX, MD STATION NAME 74 YEARS 5 MONTH 14  
CLASS ALL WEATHER HOURS LL & T 14  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE		100.0										100.0	5.0
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
		100.0										100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE STATION NAME ASHEVILLE YEARS 1950-1951 EPOCH 1950  
CLAS 1  
CONDIV 1  
HOURS 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1		1.1									2.2	1.1
NNE	1.1	1.1										2.2	1.1
NE	1.1	1.1										2.2	1.1
ENE	1.1	1.1										2.2	1.1
E	1.1	1.1										2.2	1.1
ESE	1.1	1.1		1.1								3.3	1.1
SE	1.1	1.1	1.1	1.1								4.4	1.1
SSE	1.1	1.1	1.1	1.1								4.4	1.1
S	1.1	1.1	1.1	1.1								4.4	1.1
SSW	1.1	1.1	1.1	1.1								4.4	1.1
SW	1.1	1.1		1.1								3.3	1.1
WSW	1.1	1.1	1.1	1.1								4.4	1.1
W	1.1	1.1		1.1								3.3	1.1
WNW	1.1	1.1		1.1								3.3	1.1
NW	1.1	1.1	1.1	1.1								4.4	1.1
NNW	1.1	1.1	1.1	1.1								4.4	1.1
VARBL												4.4	1.1
CALM												4.4	1.1
	1.1	1.1	1.1	1.1								4.4	1.1

TOTAL NUMBER OF OBSERVATIONS 100

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALL 1, 1971 STATION NAME 17-00 YEARS 1971 MONTH 10  
CLASS ALL WEATHER HOURS (LST) 10  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4		1.1	.4								1.9	8.4
NNE	.7	.4	.4	.4								1.9	8.7
NE		.4										.4	8.0
ENE	1.1		.7									1.8	4.6
E	.7	1.1			.4							3.9	5.0
ESE	1.4	.4	.4									2.1	3.8
SE	1.4	2.7	1.1	.7								6.9	5.6
SSE	1.4	1.4	1.5	1.4		.4						11.5	6.8
S	1.4	1.7	2.5	2.5								17.4	6.0
SSW	2.5	1.1	1.5		.4							5.7	6.8
SW	1.4	.7		.4								2.1	6.0
WSW	.4	.4	.4	.4		.4						1.9	9.2
W		1.1		1.4								2.5	9.6
WNW	1.1		.4	.4								1.7	5.6
NW	1.4	2.1	1.9									5.7	5.3
NNW	.7	2.5	1.1	.4								6.0	5.5
VARBL													
CALM												28.0	
	25.2	21.7	16.0	4.2	.7	.7						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 262

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PALM SPRING, NV STATION NAME 13-12 YEARS 1957  
 CLASS ALL WEATHER  
 HOURS (L & T) 17  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.2	2.1	1.4								2.2	5.2
NNE	1.4	2.1										3.5	3.9
NE	1.1	2.5	.7									4.3	4.7
ENE	1.1	1.4		.4								2.9	4.1
E	2.2	2.1	.4									5.7	2.3
ESE	2.2	2.1	1.1	.7								6.7	5.1
SE	1.3	2.5	1.4	.4								6.2	5.4
SSE	1.1	2.1	2.1	.4	.4							6.2	7.1
S	2.5	2.5	2.2	1.3	.7			.4				11.2	7.9
SSW	1.1	.4	1.4	.7	1.1	.7						5.3	11.9
SW		1.1	.4	1.4								2.5	9.5
WSW	.7	.7	.4	.7	.4							2.2	9.0
W	1.1	1.4	.7	1.6	.7							5.7	7.3
WNW	.7	.4	1.1	.7								2.5	8.0
NW	1.4	1.1		.7								3.2	5.6
NNW	.7	2.1	1.1	.7								5.2	6.4
VARBL													
CALM												16.7	
	23.0	29.4	16.1	11.7	7.2	.7		.4				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 242

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLSB, NV STATION NAME FALLSB, NV YEARS 73-80 MONTH FEB  
CLASS ALL WEATHER HOURS (L S T) 16  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	5.3	2.4	.7								11.0	5.7
NNE	2.5	2.2	5.7	.7								17.4	5.8
NE	2.5	4.7	.4									7.1	4.4
ENE	1.1	2.5	.4									5.1	4.1
E	1.2	.7	.4									2.6	3.4
ESE	1.1	.7	1.5	1.4								5.2	7.6
SE	1.4		1.4									2.8	5.2
SSE	1.2	.4	1.4	.4								3.2	6.6
S	.4	.7	1.2		.4							3.2	5.0
SSW	1.2	.4	.4	1.3		.7	.4					5.7	12.9
SW			1.1	1.1	1.1	.4						3.5	14.5
WSW	.7	.7	1.1	.4	.7							3.5	7.0
W	1.6	1.1	2.5	2.5	.7							10.2	9.7
WNW	.4	.4	.7	1.1		.4						2.2	11.4
NW		1.1		.7								1.5	8.8
NNW	1.1	1.1	.7	1.4	.4							4.5	8.7
VARBL													
CALM												10.5	
	20.2	20.4	22.7	13.1	3.2	1.4	.4					100.2	6.5

TOTAL NUMBER OF OBSERVATIONS 292

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRFAX, NV STATION NAME 73-80 YEARS 1955  
CLASS ALL WEATHER MONTH 19  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8	2.3	.7	.4	.4							9.2	4.4
NNE	3.5	4.3	.4									15.1	3.2
NE	3.5	2.6	.4									6.7	3.0
ENE	4.6	1.1										5.7	2.6
E	.7	2.1	.7									3.5	4.6
ESE	1.5	1.4	1.4									4.5	5.1
SE	.7	1.1	1.1	.4								3.2	6.3
SSE	1.1	2.1	.7	.4								4.2	5.4
S	1.1	2.1	.7	.7	.4							5.0	7.2
SSW	1.1	1.5	1.1									3.9	5.2
SW			1.1	.7								1.5	11.0
WSW	.4	.7	.4	.4								1.8	7.4
W	1.1	2.1	2.5	1.1	.4							7.1	7.5
WNW	1.4	1.1	.4	.7								3.5	6.2
NW	.7	2.5		.4								3.5	5.5
NNW	1.4	2.5	1.1									5.5	4.7
VARBL													
CALM												17.7	
	33.7	30.1	12.6	5.0	1.1							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 232

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME 73-71, 80-92 YEARS FEB  
STATION ALL WEATHER CLASS 22  
CONDITION HOUS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.2		.4								4.7	4.5
NNE	1.2	.4		.4								2.0	2.2
NE	.8	1.6										2.4	4.2
ENE	.4	.4										.6	3.0
E	1.2	.4										2.0	3.0
ESE	2.0	1.2	.4									3.6	3.4
SE	2.4	3.6	1.6									7.6	4.8
SSE	5.1	2.0	1.6	.4								9.1	4.3
S	2.4	2.4	1.6	1.6	.4							9.5	6.0
SSW	1.6	.4	.4									2.4	3.7
SW	1.2	.4	.4		.4							2.3	5.9
WSW	1.6	.4	.4	.4								3.2	5.4
W	2.0	1.2	.4	.4								5.5	4.1
WNW	2.0	1.6	1.2	.4								5.1	5.1
NW	.4	2.4		.4								3.6	5.3
NNW	.4	.4	.4	.4								2.8	6.3
VARBL													
CALM												33.6	
	32.0	20.0	2.5	5.1	.8							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 253

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 40112 FALLON, NV STATION NAME 73-2 YEARS 1955  
ALL WEATHER CLASS ALL  
 CONDITION ALL  
 HOURS (LST) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.7	1.7	.6	.1							6.4	5.4
NNE	2.6	2.8	1.8	.2								6.7	4.6
NE	1.4	1.9	.2									3.6	4.1
ENE	1.6	1.7	.2	.1								2.8	3.6
E	1.2	1.7	.2		.1							3.4	3.7
ESE	1.7	1.2	.3	.4								4.2	5.2
SE	1.2	1.5	1.4	.3								5.3	5.2
SSE	2.9	2.1	1.9	.5	.1	.1						7.6	5.5
S	3.4	3.1	1.8	1.1	.3			.1				9.7	6.1
SSW	1.7	.9	.2	.6	.2	.2	.1					4.6	7.7
SW	.5	.4	.5	.6	.2	.1						2.3	9.3
WSW	.0	.5	.5	.4	.2	.1						2.6	7.5
W	1.2	1.1	1.3	1.4	.3							5.6	7.8
WNW	1.2	.7	.6	.5		.1						2.9	6.8
NW	.8	1.5	.4	.4								3.1	5.8
NNW	1.2	1.7	1.1	.5	.1							4.6	6.2
VARBL													
CALM												24.5	
	27.5	24.2	14.2	7.6	1.5	.5	.1	.1				100.1	4.4

TOTAL NUMBER OF OBSERVATIONS 1664



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 74 YEARS 04  
CLASS ALL WEATHER  
CONDITION 04  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	16.7											16.7	1.0
NE													
ENE													
E													
ESE													
SE	16.7											16.7	3.0
SSE													
S													
SSW	16.7											16.7	1.0
SW													
WSW													
W		16.7										16.7	4.0
WNW													
NW													
NNW	16.7											16.7	3.0
VARBL													
CALM												16.7	
	66.7	16.7										100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 6

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73112 FALLON, NV STATION NAME 73-5 YEARS MAP NORTH 07 HOURS (LST)

ALL HEATED CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.6	.2									3.2	4.3
NNE	.3		.7	.3	.2							1.3	11.3
NE	.6	.3										1.2	3.2
ENE	.6	.3										1.2	2.7
E	1.3	.6										1.9	3.2
ESE	1.3	1.3										2.9	3.1
SE	1.6	2.6	.6									4.8	4.3
SSE	2.5	4.2	1.2	.6								11.6	4.2
S	2.5	.6	.6									7.7	2.8
SSW	1.6	1.2	.2	.3	.3							3.9	5.3
SW	1.2	.7	.2	.6								2.6	5.2
WSW	1.2	.3	.6	.6								2.9	6.0
W	2.9	1.2	1.2									6.1	4.4
WNW	1.2	.6		.3								1.9	4.5
NW	1.2	2.2	2.2									7.1	5.1
NNW	.7	1.2	2.2	.6								4.5	8.0
VARBL													
CALM												35.5	
	29.7	20.3	10.3	3.9	.6							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRFAX, NV STATION NAME FAIRFAX, NV YEARS 73-77 MAP NORTH  
CLASS ALL WEATHER HOURS 10  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.7	1.6	1.7	1.3	.3							7.7	6.3
NNE	1.7	1.6	1.6	.6								5.5	6.3
NE		.7		.3								.6	7.5
ENE	1.7	.3										1.3	7.3
E	2.3	.4										2.9	2.6
ESE	1.3	.7		1.3								2.6	6.6
SE	2.7	1.7	.6									4.8	4.3
SSE	1.3	2.6	2.7	.6								6.4	6.7
S	2.6	2.9	3.2	1.6		.2						12.6	7.3
SSW	1.7	1.3		.7	1.3							3.9	9.4
SW	1.7	1.3	.7	.6	.5							3.9	9.7
WSW	1.7		1.7	.7	.7							2.9	8.2
W	2.9	1.3	1.7	1.3								6.9	4.2
WNW	1.6	1.3	1.7	.6	.3							4.5	6.6
NW	1.6	1.3	1.6	1.3	.3							5.5	7.9
NNW	.6	1.3	2.3	1.3	.3							6.5	8.3
VARBL													
CALM												19.7	
	25.5	20.6	19.9	11.3	3.5	.7						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLS, NY STATION NAME 72-21 YEARS 1950-1951

CLASS ALL WEATHER

CONDITION 17

MOON 17

HOUSE (L & Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.2	2.6	2.6	.3							10.6	8.3
NNE	1.2	1.2										2.4	3.2
NE	1.2	.6	1.2									2.4	2.2
ENE	1.2	1.2										2.4	2.2
E	1.2	1.2	.2									2.4	2.4
ESE	1.2	1.2	.2									2.4	4.4
SE	1.2	2.2	.6	.6								5.2	5.6
SSE	1.2	2.2	1.2									5.2	5.1
S	2.2	2.2	2.2	1.2	.3	.6						11.9	7.4
SSW	1.2	1.2		.6								3.2	5.6
SW	1.2	.6	.6	1.2	1.6	.6						6.5	12.2
WSW	1.2	1.2	1.2	1.2	1.2	1.2						6.5	11.2
W	1.2	2.2	1.6	.6	.6							7.1	7.2
WNW	.2	1.2	1.2	.2								3.2	7.2
NW	2.2	1.2	2.2	1.2	.2							7.7	7.6
NNW	1.2	2.2	2.2	1.6								8.1	7.6
VARBL													
CALM												10.6	
	21.9	27.1	25.0	12.6	4.2	2.3						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 72-10 YEARS 1962  
CLASS ALL WEATHER HOURS (LST) 14  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.2	.2	.2	.2						12.5	2.8
NNE	1.2	2.2	3.2									7.1	4.4
NE	1.2	2.2	1.2	.5								5.9	5.9
ENE	.2	1.2	.2									2.9	5.0
E	1.2	1.2		1.2								3.2	6.1
ESE	.2	.2										1.2	3.9
SE	1.2	1.2	1.2	.3								3.5	6.2
SSE	1.2	1.2	.2	.2	.5							4.2	7.3
S	1.2	1.2	1.2			.2						4.9	6.2
SSW	.2	1.2	.2	.2	.2							2.9	4.5
SW	.2	.2	.2	3.5	1.2	.2						6.6	13.5
WSW	.2	.2	1.2	2.2	1.2	.2						5.9	12.2
W	1.2	1.2	1.2	1.2	.2		.3					7.4	13.2
WNW	1.2	1.2	2.2	1.2								5.9	7.2
NW		1.2	2.2	2.2	.2							7.4	9.5
NNW	1.2	2.2	2.2	2.2	.2	.2						10.3	9.2
VARBL													
CALM												7.4	
	12.5	24.4	26.1	20.2	5.2	1.6	.3					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 510

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ALL WEATHER YEARS 73-74 NORTH 44°  
CLASS 10  
CONDITION HOURLY

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	4.5	2.7	1.7	.6	.7						12.4	5.0
NNE	4.5	7.5	.6	.7								9.2	4.1
NE	4.0	3.5	.3									6.2	3.2
ENE	1.3	7.3										7.5	3.5
E	2.3	1.2										4.2	2.5
ESE	1.3	.4	.7									2.4	5.5
SE		.4	.7									1.2	5.0
SSE	.4	.3	1.3	1.3								2.9	7.0
S	1.3	1.3	.3	.3								4.2	4.5
SSW	.7	.7	1.3									1.2	7.5
SW	.7	.5	.4	1.3	.6							3.4	10.7
WSW	.7	2.7	1.6	.6								4.5	7.0
W	1.3	1.7	2.7	3.0	.6							11.0	9.1
WNW	1.6	2.7	2.3	.3								7.7	5.9
NW	.6	2.7	1.6	.6								7.1	6.2
NNW	2.7	1.7	1.6	1.0	.3							6.5	7.7
VARBL													
CALM												12.4	
	25.4	72.7	14.7	10.3	2.3	.7						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 711

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 73-7, 73-12 YEARS 73-74 MONTH 73  
CLASS ALL WEATHER HOURS 11.5  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.0	1.0								10.0	2.0
NNE	1.0	2.0	2.0	2.0								10.0	2.0
NE	1.0	2.0	2.0	2.0								10.0	2.0
ENE	1.0	2.0	2.0	2.0								10.0	2.0
E	1.0	2.0	2.0	2.0								10.0	2.0
ESE	1.0	2.0	2.0	2.0								10.0	2.0
SE	1.0	2.0	2.0	2.0								10.0	2.0
SSE	1.0	2.0	2.0	2.0								10.0	2.0
S	1.0	2.0	2.0	2.0								10.0	2.0
SSW	1.0	2.0	2.0	2.0								10.0	2.0
SW	1.0	2.0	2.0	2.0								10.0	2.0
WSW	1.0	2.0	2.0	2.0								10.0	2.0
W	1.0	2.0	2.0	2.0								10.0	2.0
WNW	1.0	2.0	2.0	2.0								10.0	2.0
NW	1.0	2.0	2.0	2.0								10.0	2.0
NNW	1.0	2.0	2.0	2.0								10.0	2.0
VARBL													
CALM												10.0	
	30.0	20.0	10.0	5.0								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 270

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRFAX STATION NAME FAIRFAX YEARS 73-82 MONTH 5

CLASS ALL WEATHER

CONDITION ALL

HOURS 11 51

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 107



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	ADDITIONAL INFORMATION
	ALL WEATHER		24 HOURS (L.S.T.)
	CLASS		
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
												100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	72-21	STATION NAME	72-21	YEARS	APR
			ALL WEATHER		NORTH
			CLASS		07
			CONDITION		HOURS (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.7	2.0	4.0									6.7	7.2
NNE	0.7	0.7	0.7	0.7								1.7	0.4
NE	0.7	0.7										1.7	2.7
ENE	0.7		0.7									0.7	5.0
E	1.0											1.0	2.7
ESE	0.7	1.7	0.7									2.7	4.0
SE	0.7	2.7										5.7	3.4
SSE	0.7	0.7										10.0	3.0
S	0.7	0.7	1.0	0.7								12.0	3.5
SSW		1.0	0.7	0.7								1.7	6.6
SW	1.0	0.7	0.7	0.7								3.0	5.1
WSW	0.7	1.0	0.7	0.7								3.7	4.2
W	0.7	0.7	2.7	0.7								8.7	5.5
WNW	0.7	0.7	0.7	0.7								6.7	6.0
NW	1.0	0.7	0.7	0.7								3.7	6.9
NNW	1.0	1.7	0.7	0.7								6.7	7.0
VARBL													
CALM												26.7	
	21.7	22.7	10.7	4.7								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 73-82 YEARS APR  
CLASS ALL WEATHER MONTH 10  
CONDITION 10 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.7	3.7	2.7	.7							11.3	7.4
NNE	1.7	1.7	1.7	.7								4.7	5.3
NE	1.7	.3	.7									1.7	3.6
ENE	1.7	1.3										3.0	3.0
E	.7	.7	.7									2.7	2.0
ESE	.7	.7	.7									5.0	3.5
SE	1.7	.7	.7									4.0	4.0
SSE	7.7	1.3		1.7								5.3	4.7
S	.7	3.3	1.7	1.3								5.3	6.1
SSW	.7	1.3	.7		.3							3.7	4.5
SW	1.7	1.7	.7	.7	.7							4.7	5.1
WSW	1.7	.7	1.7	.3								3.7	4.0
W	.7	.7	1.7	1.3								6.7	5.0
WNW	.7	1.7	3.7		.3	.7						7.7	7.4
NW	1.7	1.7	.7									3.7	4.0
NNW	.7	.7	.7	1.7	.7							3.3	7.0
VARBL													
CALM												14.7	
	21.3	27.7	16.7	7.7	2.7	.7						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRFAX, NV STATION NAME 73-52 YEARS ADP  
CLASS ALL WEATHER HOURS (LST) 13  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	3.7	4.3	3.7								15.0	7.5
NNE	1.0	2.7	1.7	1.0	.3							6.7	7.0
NE	1.7	.7	.3									2.3	4.7
ENE	1.0	1.7	.3									3.1	4.2
E	1.7	1.7										2.7	3.5
ESE		.7			.3							1.0	10.0
SE	.7	2.7		.7								3.3	5.0
SSE	1.7	.7	1.0	.7								4.0	6.0
S	2.0	2.7	.7	1.0								6.7	6.1
SSW	.7	1.7	2.0	1.0	.3							5.7	4.2
SW	1.7	1.7	1.0	.7	.7	.3	.3					5.7	0.7
WSW	1.0	1.3		1.0	.7			.3				4.3	15.5
W	.7	2.0	2.3	1.7	1.3							9.2	9.6
WNW	.7	3.0	1.7	1.0	.3							6.7	7.5
NW	1.3	2.0	2.3	1.0	1.0							7.7	6.4
NNW	1.7	2.3	2.7	1.7								8.0	7.9
VARBL													
CALM												8.7	
	10.0	31.3	21.0	14.3	4.7	.3	.3	.3				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRFAX, NC STATION NAME 72-42 YEARS APR  
MONTH 16  
HOURS (LST) 16  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	7.0	4.0	2.3	.3							15.7	7.0
NNE	.2	1.0	2.7	1.7								5.7	8.0
NE	2.7	2.3	1.7	1.0								7.7	5.5
ENE		.3		.3								.7	8.0
E	1.0	1.7	.3									3.0	4.1
ESE			.0		.7							.7	14.0
SE		1.3		.7								2.0	6.8
SSE	.3	.7	.3		.7							1.3	9.0
S	0.0	1.7	.7	.7		.7						5.7	6.8
SSW	.7	.7	.7	.3	.3	.7						2.7	10.8
SW	.7		1.0	1.0		1.0	.3					4.7	14.5
WSW	.7	1.7	.7	1.3	.7	.7						4.7	12.1
W	1.0	1.7	0.7	0.7	.7							13.7	10.2
WNW	1.7	1.3	2.7	2.3	.3							9.7	9.1
NW		2.0	3.0	2.0	1.0							8.7	10.7
NNW	1.7	4.3	2.3	1.7	.3							10.3	7.2
VARBL													
CALM												6.7	
	14.7	26.7	24.0	21.7	4.3	2.3	.3					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 370

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME 73-00 YEARS APR  
MONTH 19  
HOURS (L S T) 19  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	5.7	2.7	.7	.7							16.7	5.4
NNE	2.7	3.7	2.7									9.7	4.7
NE	1.7	2.7										6.7	3.6
ENE	2.7	1.3	.7									4.7	4.0
E	1.7	1.7	.3									3.0	4.2
ESE		1.7		.7								1.7	6.7
SE	.7		.7	.3								1.3	8.0
SSE	.3	.7		.3								1.7	6.5
S	1.7	.7		.7								2.3	5.9
SSW	.7		.7			.3						1.3	4.6
SW	.7		.7	.7	.3							2.3	6.9
WSW	.3	.7	2.7	.7	.7							4.0	10.7
W	1.7	4.3	6.7	6.0	.3							17.7	8.8
WNW	.7	2.7	5.3	2.0								10.7	4.3
NW	.7	2.3	2.7	1.0								7.0	7.1
NNW	1.7	1.7	1.7	1.3	.3							5.7	8.0
VARBL													
CALM												6.7	
	22.7	29.7	25.7	12.0	2.3	.3						100.7	6.3

TOTAL NUMBER OF OBSERVATIONS 320

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0112 FELLEN, NV STATION NAME 73-76, 80-82 YEARS APR  
STATION ALL WEATHER CLASS 22 MONTH NOV  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	4.0	1.1	.4								8.9	4.8
NNE	.1	1.5		.7								2.6	6.3
NE	.4	1.1										1.5	5.0
ENE	.4	.4										.7	3.0
E	.4	.7										1.1	3.7
ESE	.4											.4	3.0
SE	.7	.4	.4									1.5	5.0
SSE	1.5	2.2		.4								4.1	4.7
S	1.7	.4	.4									2.6	3.9
SSW	1.1	.4	.7	.4								2.6	5.6
SW	2.5	1.5	.4		.4	.4						5.2	6.2
WSW	1.5	.4	.7	.4								3.3	5.0
W	.7	.4	1.5	.4								17.4	5.1
WNW	.4	.4	2.5	.7								14.1	5.0
NW	2.1	.4	.7	.7								8.9	4.9
NNW	1.1	2.0	1.1	.7								5.0	6.2
VARBL													
CALM												19.7	
	22.6	31.2	13.7	4.8	.4	.4						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 270

SMC18

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 73-82 YEARS 1951-1952 APP 40  
NORTH  
CLASS ALL WEATHER  
CONDITION ALL  
HOURS 11 5 1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.7	4.4	3.3	1.6	.3							12.2	4.7
NNE	1.2	1.9	1.2	.7	.1							5.1	4.3
NE	1.6	1.4	.4	.2								3.4	4.5
ENE	1.7	.6	.2	.1								2.1	4.0
E	1.1	1.0	.2									2.3	3.5
ESE	.5	1.2	.2	.1	.1							1.2	5.4
SE	1.0	1.3	.2	.3								3.0	5.0
SSE	2.3	1.4	.2	.4	.1							4.2	4.5
S	7.8	1.9	.7	.7		.1						6.3	5.2
SSW	.3	.7	.7	.3	.2	.1						2.9	7.3
SW	1.4	.9	.7	.5	.3	.3	.1					4.1	8.6
WSW	1.1	.6	.2	.7	.3	.1		.1				4.0	8.3
W	2.5	3.0	2.9	2.4	.4							12.2	7.6
WNW	1.3	2.2	1.4	1.2	.2	.1						2.1	7.1
NW	1.1	2.1	1.7	.9	.3							6.2	7.5
NNW	1.4	2.5	2.1	1.3	.2							7.4	7.4
VARBL													
CALM												13.4	
	24.2	28.1	15.7	11.3	2.4	.6	.1	.1				170.2	5.7

TOTAL NUMBER OF OBSERVATIONS 1772

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRBANKS, AK STATION NAME 73 YEARS MAY  
CLASS ALL WEATHER MONTH 04  
CONDITION 04 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S		100.0										100.0	4.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												0.0	
		100.0										100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME 73-52 YEARS MAY  
CLASS ALL WEATHER MONTH 07  
CONDITION 07 HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6	2.6	1.9								6.5	7.7
NNE		1.3	.6									1.9	1.3
NE		.3	.7									.6	5.5
ENE	.6	1.0										1.6	3.0
E	1.0											1.0	1.7
ESE	1.0											1.0	2.3
SE	.6	1.6										8.1	2.6
SSE	3.0	1.9	.7									5.8	3.5
S	3.0	2.9	.6									12.6	3.1
SSW	3.9	.3										4.2	2.5
SW	2.2	1.3										4.0	2.7
WSW	1.6	1.0										2.6	3.3
W	4.2	1.9	1.3	.6								8.1	4.4
WNW	1.9	3.9	1.6	.6								8.1	5.5
NW	1.6	1.3	2.3									4.5	5.6
NNW	1.3	1.6	2.9	.6								6.3	7.0
VARBL													
CALM												22.9	
	35.7	21.8	12.6	3.9								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 310

8MOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NC STATION NAME FALLON, NC YEARS 77-82 MAY MONTH 10  
CLASS ALL WEATHER HOURS IN DAY 10  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.0	2.0	1.0	.6							11.3	6.7
NNE	1.0	4.0	1.0									6.5	5.3
NE	1.0	1.0	.5									2.0	4.4
ENE	1.0	.7		.7								1.0	4.0
E	2.0	.6	.6									3.0	4.0
ESE	1.0	1.0										1.0	3.2
SE		.7										.3	4.0
SSE	1.0	2.0	.7									4.0	3.9
S	1.0	2.0	.7									5.0	4.1
SSW	1.0	1.0		1.0								4.0	5.0
SW	1.0	1.0	.6	.6	.6							5.0	3.6
WSW	1.0	1.0	.6	.7								3.0	4.6
W	1.0	2.0	2.0	.6								7.0	6.0
WNW	2.0	1.0	1.0	.6								6.0	3.6
NW	2.0	2.0	2.0	.3								8.0	3.4
NNW	4.0	3.0	2.0	1.0								12.0	3.7
VARBL													
CALM												11.3	
	21.0	21.0	17.1	5.0	1.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 317

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ALL WEATHER YEARS 1950 MAY 17  
CLIMATE CLIMATE MONTH 17  
CONDITION CONDITION HOURS (LST) 17

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	6.6
NNE	1.0	2.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	7.0
NE	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	6.0
ENE	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.0
E	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	6.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7
S	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0
SSW	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.4
SW	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.1
WSW	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	6.1
W	1.0	7.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	3.0
WNW	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	6.0
VARBL													
CALM												6.0	
	10.0	36.0	24.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	10.0	6.4

TOTAL NUMBER OF OBSERVATIONS 710

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MO	DAY	MONTH
	CLASS				
	CONDITION				

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	4.3	4.3	1.4	.7							12.0	7.0
NNE	1.4	4.3	4.3	.7	.7							10.0	7.0
NE	.7	7.0	1.4	.7								4.3	8.0
ENE	.7	.7	1.4									4.3	8.0
E	.7	.7			.7							1.4	8.0
ESE		.7			.7							.7	13.0
SE			.7									.7	7.0
SSE	.7	.7	.7									1.4	4.0
S	.7		.7									.7	8.0
SSW		.7	.7									1.4	7.0
SW	.7	.7	.7	.7	.7							2.0	11.0
WSW	.7	.7	1.4	.7	.7							4.3	4.7
W	1.4	1.4	4.3	5.0	2.0	.7						15.0	11.0
WNW	.7	.7	2.0	4.3	.7	.7						11.0	8.0
NW	1.4	2.0	2.0	1.4	1.4							7.0	8.0
NNW	1.4	1.4	2.0	1.4	.7							11.0	7.0
VARBL													
CALM												2.0	
	1.4	21.0	43.7	19.4	6.7	.7						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 110

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURLY
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

AD-A150 481

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
FALLON NEVADA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT  
ASHEVILLE NC AUG 84

24

UNCLASSIFIED

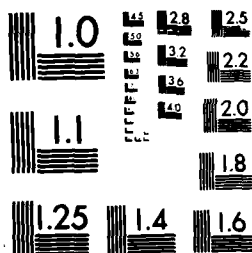
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# LASSII



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME 73-82 YEARS MAY  
CLASS ALL WEATHER MONTH NORTH  
CONDITION 22  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.2	1.6	1.6								8.7	6.9
NNE	1.6	1.6	.6	.3	.3							4.5	5.8
NE	1.0	1.0	.5									3.2	3.1
ENE	.5	1.3		.3								2.3	5.3
E		.2	.3									.6	8.0
ESE	1.0	.3										1.3	2.8
SE	.6	.3										1.3	2.7
SSE	1.0	.6										1.6	3.2
S	3.5	1.0										4.5	2.9
SSW	1.3	1.3										2.6	3.6
SW	.6	1.0	.6									2.3	5.0
WSW	2.8	.3	1.0									3.9	3.5
W	3.5	8.7	5.5	.6								18.4	5.7
WNW	3.2	6.1	4.5	.6								14.6	5.7
NW	1.6	4.2	1.9	.3								8.7	5.4
NNW	2.6	3.6	.3	1.0								7.4	5.0
VARBL													
CALM												14.7	
	27.5	36.2	16.3	4.9	.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 309

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 231-2 FALLON, NV STATION NAME 73-92 YEARS MAY  
CLASS ALL WEATHER MONTH ALL  
CONDITION ALL HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	3.2	3.6	1.4	.3	.1						11.4	6.9
NNE	1.5	3.3	1.6	.3	.2							6.8	5.9
NE	1.5	1.6	.6	.3								4.7	4.9
ENE	1.1	1.3	.4	.2								3.0	4.5
E	1.3	.9	.4		.1							2.5	4.5
ESE	.7	.3	.1	.1	.1							1.2	4.9
SE	1.3	.5	.2	.1	.1							2.2	3.8
SSE	1.2	1.2	.2									2.6	3.8
S	2.8	1.5	.4	.1								4.8	3.7
SSW	1.5	.9	.2	.2								2.7	4.2
SW	1.0	1.0	.5	.2	.4							3.4	7.2
WSW	1.3	.9	1.1	.7	.1	.1						4.2	7.2
W	2.3	4.2	3.5	2.7	1.0	.1						13.9	8.0
WNW	1.5	3.7	2.5	1.7	.2	.1						9.9	6.9
NW	1.6	2.2	2.3	.8	.2							7.7	6.5
NNW	2.0	3.4	2.7	1.1	.1							9.2	6.3
VARBL													
CALM												10.5	
	25.2	31.2	27.3	10.1	2.4	.3						120.0	5.6

TOTAL NUMBER OF OBSERVATIONS 1860

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION  
071 2

FALLON, NY

STATION NAME

73

YEARS

JUN

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S		100.0										100.0	5.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
		100.0										100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

1

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27100 FALLON, NV STATION NAME 73-92 YEARS JUN  
MONTH 07  
HOURS (L.S.T.) 07  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.3	3.3	1.3								8.0	7.5
NNE	1.0		.7									1.3	2.8
NE	.3	.7		.3								1.3	5.3
ENE		.3	.3									.7	7.5
E	.7											.7	2.5
ESE		.3										.3	4.0
SE	1.7	.7										2.3	2.9
SSE	4.0	1.7										5.7	2.6
S	6.7	3.0										9.7	3.2
SSW	3.0	.7										3.7	2.6
SW	3.3	.3										3.7	2.6
WSW	3.3	2.0	.3	.3								6.0	4.0
W	8.3	5.3	1.0	1.3	.3							16.3	4.8
WNW	1.3	2.7	.7									4.7	4.2
NW	.7	1.0	.3									2.0	5.0
NNW	1.3	2.3	2.7									6.3	5.6
VARBL													
CALM												27.3	
	36.7	23.3	9.0	3.3	.3							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73112 STATION NAME FALLON, NV YEARS 73-82 MONTH JUN  
CLASS ALL WEATHER HOURS (LST) 10  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	6.3	2.0	1.3								12.7	5.6
NNE	2.7	2.0	1.3	.3								6.2	4.7
NE	1.7	1.0	.7									3.3	3.8
NNE	1.3	.3										1.7	2.8
E	1.3	.7	.3									2.3	3.4
ESE	1.3	.3										1.7	2.8
SE	1.3	2.0										3.0	4.0
SSE	2.7	.7										3.3	3.0
S	1.7	1.7	1.7									5.0	5.2
SSW	2.3	1.0		.3	.3							4.0	4.8
SW	1.3	1.0										2.3	3.0
WSW	2.3	1.0	1.3	.3			.3					5.3	6.4
W	2.0	3.0	2.7	.7								8.3	6.2
WNW	1.3	2.3	1.3	.3								5.2	5.6
NW	4.7	2.3	1.3	.3								8.7	3.8
NNW	3.7	4.3	1.0	.7								9.7	4.9
VARBL													
CALM												17.0	
	34.3	30.0	13.7	4.3	.3		.3					100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 48102 FALLON, NV STATION NAME 73-82 YEARS JUN  
MONTH 13  
HOURS (L.S.T.) 13  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	5.0	2.7	1.7	.3							11.0	7.0
NNE	2.0	2.3	2.0									6.3	4.9
NE		2.3	.3									2.7	5.6
ENE	1.0	2.0	.3									3.3	4.5
E		1.0	.7									1.7	5.6
ESE		1.0	.3									1.3	6.0
SE	1.0	.7										1.7	3.2
SSE	.3	.3	.3	.3	.3							1.7	6.8
S	1.7	2.0	.3	.7	.7							5.3	6.6
SSW	2.7	2.0		.3								5.0	4.3
SW	1.3	2.7	1.0									5.0	5.1
WSW	1.0	1.3	2.0	1.7								6.0	7.9
W	5.7	4.3	2.0	1.7		.3						15.0	5.5
WNW	3.7	2.7	3.0			.3						9.7	5.7
NW	.3	3.0	1.7	.7								5.7	7.1
NNW	1.7	5.3	1.7	1.0								10.7	6.2
VARBL													
CALM												8.0	
	24.7	39.0	12.3	8.0	1.3	.7						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLOON, NV STATION NAME 73-82 YEARS JUN  
CLASS ALL WEATHER HOURS (L.S.T.) 16  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.7	4.7	1.7								12.7	7.0
NNE	.7	2.7	2.7	1.3								6.7	7.7
NE	1.7	2.7	1.0									4.7	5.3
ENE	.7	2.3	.7	.7								4.3	6.5
E	.7	.3										.7	3.5
ESE			.3	.3								.7	12.5
SE													
SSE													
S	1.7	.7		1.0	.7							3.7	10.2
SSW		.3										.3	4.0
SW	.7		.7	.7		.3						2.3	9.3
WSW	.3	.7	1.7	1.7		.3						4.7	10.0
W	2.7	3.7	4.7	6.7	.7	.3						18.0	9.3
WNW	2.7	2.3	3.7	4.0	1.0							12.3	9.5
NW	1.7	5.3	2.3	1.0	.7							10.3	7.1
NNW	1.3	5.3	3.7	3.3								13.7	7.6
VARBL													
CALM												6.0	
	12.7	29.7	25.3	22.3	3.0	1.0						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 300

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93112 FALLON, NV STATION NAME 73-32 YEARS JUN  
MONTH 19  
HOURS (L.S.T.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	5.0	2.7	1.3								10.0	6.4
NNE	3.0	3.3	1.3	.7								8.0	4.7
NE	1.0	4.7	.7									5.3	4.5
ENE	2.0	3.7	1.3									6.7	4.9
E	.7	.7										1.3	3.5
ESE	.7		.3									1.0	5.0
SE													
SSE	.3			.3								.7	8.5
S	.3	.7		.7								1.7	7.6
SSW		.7	.7	.7								2.0	8.3
SW			.7	.7								1.3	10.3
WSW	.7	2.3	2.7	.7								5.3	7.5
W	.7	3.7	10.7	6.7	.7							22.3	9.4
WNW	1.3	2.0	6.3	4.7								14.3	9.0
NW	.7	2.7	3.0	1.0								7.3	7.5
NNW	1.3	2.3	3.3	1.0								8.0	6.8
VARBL													
CALM												3.7	
	13.7	11.3	32.7	16.0	.7							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 300

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 071 2 FALLON, NV STATION NAME 73-02 YEARS JUN  
CLASS ALL WEATHER MONTH 22  
CONDITION 22  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.7	2.0	.3								8.4	5.1
NNE	2.7	1.7	.3	.7								5.4	4.8
NE	2.0	1.0										3.0	3.0
ENE	.3		.7									1.0	5.3
E		.7										.3	6.0
ESE	.2											.3	2.0
SE	.3		.3									.7	5.0
SSE	.7	1.0										1.7	3.2
S	2.4	2.7		.3								5.4	4.0
SSW	1.3	.7										2.7	3.2
SW	.7	1.0	.3									2.0	5.0
WSW	1.3	1.7	.3									3.4	3.8
W	4.0	9.4	6.7	1.0								21.2	5.8
WNW	4.4	10.1	2.4									16.8	4.8
NW	2.0	4.4	1.7									8.1	5.0
NNW	3.0	2.7	1.3	.7								7.7	5.2
VARBL													
CALM												12.5	
	27.9	40.4	16.2	3.0								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 297

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7312 FALLON, NV STATION NAME 73-02 YEARS JUN  
MONTH ALL  
HOURS (L.S.T.) ALL  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	4.5	2.8	1.3	.1							10.5	6.4
NNE	2.5	1.9	1.3	.4								5.7	5.3
NE	1.7	1.0	.4	.1								3.4	4.5
ENE	.9	1.4	.6	.1								2.9	5.1
E	.5	.5	.2									1.2	4.0
ESE	.4	.3	.2	.1								.2	5.3
SE	.7	.6	.1									1.3	3.6
SSE	1.3	.5	.1	.1	.1							2.2	3.9
S	2.3	1.1	.3	.4	.2							5.1	5.3
SSW	1.6	.9	.1	.2	.1							2.3	4.1
SW	1.2	.9	.4	.2		.1						2.8	5.2
WSW	1.4	1.5	1.3	.8		.1	.1					5.1	6.7
W	3.9	4.9	4.6	3.0	.3	.1						16.9	7.0
WNW	2.3	3.7	2.8	1.5	.2	.1						10.5	6.8
NW	1.6	3.1	1.7	.5	.1							7.0	6.0
NNW	2.1	3.4	2.3	1.1								9.3	6.2
VARBL													
CALM												12.4	
	25.0	32.3	19.2	9.6	.9	.3	.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 1798

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALCON, NC STATION NAME 73 YEARS JUL  
MONTH 04  
HOURS (L.S.T.) 04  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												100.0	
												100.0	.0

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 001 00100, NV STATION NAME 73-89 YEARS 1961 MONTH 07  
CLASS ALL WEATHER HOURS (LST) 07  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.7	.5	.3								2.2	5.7
NNE	.7		.3									.1	2.5
NE		.3										.3	4.5
ENE													
E		.7										.7	5.0
ESE	.5	.3										.6	7.1
SE	2.2	.5										2.9	2.7
SSE	4.5	2.6										7.1	3.0
S	11.0	3.2	.4	.3								15.0	3.1
SSW	1.0	.6										3.9	2.2
SW	.7	1.7	.4									6.1	2.9
WSW	4.7	1.7										5.0	2.6
W	2.2	4.6	.3									13.9	7.1
WNW	7.7	4.3	.7									12.7	4.1
NW	1.7	1.7										3.7	4.1
NNW	.5	.3	1.7									1.7	5.7
VARBL													
CALM												78.1	
	41.5	11.9	2.9	.6								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

## SURFACE WINDS

JUL  
NORTH  
10  
HOURS (LST)

[illegible]

TOTAL NUMBER OF OBSERVATIONS 309

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME 73-32 YEARS JUL  
MONTH 13  
HOURS (L.S.T.) 13  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	5.2	2.0									12.3	4.9
NNE	1.0	3.0	1.3									5.3	5.3
NE	.6	2.3	.3									3.2	5.2
ENE	1.7	1.3										2.5	3.1
E	1.0	1.3										2.3	3.7
ESE	1.0			.3								1.3	4.3
SE	.3	1.3										1.6	3.8
SSE	1.7		1.3									2.3	5.1
S	3.0	.6	1.3									5.5	3.8
SSW	1.0	2.3										3.2	4.5
SW	2.3	1.9										4.0	3.1
WSW	1.0	5.2	1.6									7.7	5.3
W	4.2	7.7	2.6	.6								15.2	5.2
WNW	1.2	2.3	2.3									7.7	4.8
NW	1.3	4.8	2.3									8.4	5.4
NNW	2.9	5.5	1.3									10.3	4.8
VARBL													
CALM												6.5	
	20.7	45.2	17.7	1.0								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73-02 FALL IN, NC STATION NAME 73-02 YEARS JUL  
CLASS ALL WEATHER MONTH 16  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	10.3	3.7	.3								15.8	5.4
NNE	2.7	3.5	2.3									8.1	5.7
NE	.6	1.9	.7									2.9	4.9
ENE	1.2		.7									1.7	3.3
E		.5	.6									1.3	6.8
ESE	.3	.6	.7	.7								1.6	6.4
SE	.7	.5		.3	.3							1.6	8.8
SSE		.3	1.0									1.3	7.8
S		.7	.7									.6	6.0
SSW	.7	1.7										1.6	4.0
SW	1.7	1.5	.3	1.0								4.2	6.2
WSW	.6	2.0	1.6		.3							5.5	6.2
W	2.6	3.2	4.5	3.2	.6							14.8	7.9
WNW	1.3	4.5	3.2	2.3								11.3	7.1
NW	1.9	4.2	4.0	.3								11.0	5.9
NNW	1.6	5.2	3.5	1.0								11.3	6.1
VARBL													
CALM												5.8	
	16.1	41.3	26.1	9.7	1.3							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 310

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NY STATION NAME FALLON, NY YEARS 73-77 MONTH JUL  
CLASS ALL WEATHER MONTH 19  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	4.2	.6	.6								9.0	4.7
NNE	3.2	3.2	.6									7.1	3.9
NE	2.9	2.4	.6									6.1	3.9
ENE	3.2	2.9										6.1	3.8
E	.6	.6		.3								1.6	5.8
ESE				.3								.3	12.0
SE													
SSE	.3		.3	1.3								1.9	10.2
S	.6	.3	1.0	1.0								3.9	8.2
SSW		.3	.3	.3								1.0	9.3
SW	.3	.3										.6	3.0
WSW	1.3	1.3	1.2	1.6		.3						6.5	8.4
W	2.3	5.2	11.9	4.2	.3							23.9	8.1
WNW	1.4	7.5	5.8	1.0								11.6	7.0
NW	1.5	2.9	3.2	1.3								8.4	6.8
NNW	1.2	1.0	2.3	.3								5.8	5.7
VARIABLE													
CALM												6.1	
	22.5	29.0	29.7	12.3	.3	.3						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

310

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93112 STATION FALLON, NV STATION NAME 73-92 YEARS JUL MONTH 22 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.4	1.0	.7								6.8	5.5
NNE	1.0	.3	.7									2.0	4.8
NE	.7	1.0										1.7	4.0
ENE	.7	.3	.7									1.7	4.8
E													
ESE	.7	.3										1.0	3.7
SE		.3	.7									.7	7.0
SSE		.3										.3	4.0
S	1.0	2.0	1.4									4.4	5.0
SSW	.7	.7	.7									1.7	4.4
SW	1.0	1.7	.7									3.4	4.7
WSW	1.4	2.4	1.0									4.7	4.4
W	7.1	11.8	4.4									23.3	4.7
WNW	4.1	13.2	3.7									20.3	4.8
NW	3.4	4.4	1.7									9.5	4.5
NNW	2.4	3.4	.7									6.1	4.0
VARBL													
CALM												12.5	
	25.7	45.6	15.3	.7								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 296

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 67112 FALLON, NV STATION NAME 73-82 YEARS JUL  
NORTH  
CLASS ALL WEATHER HOURS (L.S.T.) ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	5.5	1.6	.3								10.2	4.9
NNE	1.6	2.3	1.0									5.0	4.7
NE	1.1	1.4	.3									2.7	4.2
ENE	1.2	.8	.2									2.2	3.6
E	.5	.7	.1	.1								1.4	4.4
ESE	.4	.2	.1	.2								.9	5.1
SE	.7	.6	.1	.1	.1							1.4	4.5
SSE	1.0	.7	.4	.3								2.4	5.1
S	2.5	1.4	.9	.2								5.3	4.2
SSW	1.0	1.1	.2	.1								2.3	4.2
SW	1.7	1.4	.4	.2								3.7	4.2
WSW	1.9	2.3	1.0	.3	.1	.1						5.5	5.2
W	5.2	6.3	4.2	1.4	.2							17.2	5.7
WNW	3.1	5.6	2.5	.5								11.8	5.3
NW	2.8	3.6	2.1	.3								8.5	5.1
NNW	2.0	3.6	1.6	.2								7.4	5.0
VARS													
CALM												12.1	
	29.6	37.4	16.6	4.0	.3	.1						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 1846

8MOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07112 FALLON, NV STATION NAME 73 YEARS AUG  
ALL WEATHER MONTH 01  
 CLASS 01  
 HOURS (L S Y) 01  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE	33.3											33.3	2.0
SSE													
S													
SSW													
SW													
WSW	33.3											33.3	2.0
W													
WNW													
NW													
NNW													
VARBL													
CALM												33.3	
	66.7											100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 3

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93112 FALLON, NV STATION NAME 73 YEAR AUG  
MONTH 34  
HOURS (L S Y.)  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S	33.3											33.3	2.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												66.7	
	33.3											100.0	.7

TOTAL NUMBER OF OBSERVATIONS 3

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME 73-82 YEARS AUG  
MONTH 07  
HOURS (LST) 07  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.7									1.3	5.6
NNE		1.0										1.0	5.0
NE	.3											.3	3.0
ENE													
E	.3											.7	1.0
ESE	1.3	.7										1.6	3.0
SE	4.3	1.0										5.9	3.1
SSE	3.3	3.3	.7									12.5	3.1
S	13.4	5.0	.7									24.6	2.8
SSW	4.3	1.3										5.6	2.9
SW	2.3	.3	.3									3.0	3.1
WSW	1.6	.7										2.3	3.0
W	2.3	1.0	.7									3.0	3.7
WNW	1.0	1.0	.7									2.3	4.1
NW	.3	1.0										1.3	3.8
NNW	1.0	.7		.3								2.0	4.5
VARBL													
CALM												32.1	
	45.9	13.7	3.0	.3								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 305

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 25122 FALLON, NV STATION NAME 73-92 YEARS AUG  
MONTH 10  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	5.2	.3	.3								10.2	4.1
NNE	2.2	2.3	1.0	.3								6.9	4.3
NE	2.2	1.6	.3									3.3	3.3
ENE	.3	1.6	.7									2.6	4.2
E	1.3	1.0										2.3	3.0
ESE	.7	.7										1.3	3.3
SE	.7	.3	.3									1.3	4.9
SSE	1.3	1.0	.7									3.0	4.2
S	1.3	1.6	1.0									5.9	3.4
SSW	.7	2.0	.7									3.0	4.1
SW	2.2	1.3	1.0									4.6	4.2
WSW	1.3	1.6	.7									3.6	4.7
W	5.2	4.6	1.3									11.1	3.9
WNW	2.3	3.6	.3									6.2	4.0
NW	2.6	4.3	.7									7.6	4.0
NNW	2.6	4.3	.3	.7								7.9	4.7
VARBL													
CALM												19.3	
	34.1	36.4	8.9	1.3								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 375

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 07172 FALLON, N. STATION NAME 77-82 YEARS 406  
MONTH 13  
HOURS (LST) 13  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	4.9	1.0	.3								10.2	4.5
NNE	1.0	3.9	1.6									6.6	5.3
NE	1.0	3.0	1.0									4.9	5.0
ENE	1.0	.7	.7									2.6	4.5
E	.3	.7										1.0	3.7
ESE	.7	.7	.7									2.7	5.2
SE	.3	1.3	.3									2.0	5.0
SSE	.3	.2	.3									1.0	5.3
S	1.6	3.6	.7	.3								6.2	5.2
SSW	1.7	3.0	.2									4.3	4.4
SW	2.6	1.6	.3	.3								4.9	4.5
WSW	2.0	2.3	.7	.3								4.3	5.0
W	1.6	6.9	2.6	.7	.7							12.0	6.3
WNW	2.6	2.6	2.6									8.9	4.9
NW	2.3	3.9	2.3									6.5	5.2
NNW	1.6	7.2	2.6	.3								11.8	5.4
VARIABLE													
CALM												7.0	
	25.2	46.6	17.4	2.3	.7							170.0	4.7

TOTAL NUMBER OF OBSERVATIONS 305

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION SS172 FALLON, NV STATION NAME 73-92 YEARS 1960  
ALL WEATHER CLASS 16  
HOURS (L.S.T.) 16  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	8.2	4.3	.7								15.4	5.6
NNE	1.6	3.7	2.0									6.5	5.0
NE	1.0	2.6	1.0									4.6	5.0
ENE	1.3	1.0	1.0									3.3	4.8
E	1.0	1.6		.7	.7							3.3	5.9
ESE	.3											.3	1.0
SE		.3	.7									1.0	6.0
SSE		.7		.7								.7	3.5
S		.7		.7								1.0	8.7
SSW		.7	.3									.7	7.6
SW	.3	.7	1.0	1.0	1.3							3.0	12.7
WSW	1.3	1.6	.7	1.6	.3							5.2	6.3
W	1.6	2.3	3.0	5.2	.7							14.8	9.7
WNW	2.0	2.6	2.6	2.0								10.2	7.2
NW	1.0	4.6	3.0	.7								9.2	6.1
NNW	2.0	6.6	4.3	.7								13.1	6.4
VARBL													
CALM												6.6	
	16.1	36.1	25.2	13.4	2.6							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 305

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME FALLON, NV YEARS 73-74 MONTH ALL  
 CLASS DEATHED  
 HOURS (L S T) 10  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0							11.2	5.1
NNE	0.0	0.0	0.0									9.0	3.6
NE	0.0	0.0	0.0									5.0	3.4
ENE	0.0	0.0		0.0								6.6	3.5
E	0.0	0.0	0.0									2.6	5.5
ESE			0.0		0.0							0.7	15.5
SE		0.0	0.0									1.0	7.0
SSE			0.0	0.0								0.7	9.0
S	0.0	0.0	0.0	0.0								3.3	6.3
SSW		0.0	0.0									1.3	5.8
SW	0.0	0.0		0.0	0.0							2.0	10.7
WSW	0.0	0.0	0.0	0.0								3.6	7.2
W	0.0	0.0	0.0	0.0								19.4	7.6
WNW	0.0	0.0	0.0	0.0	0.0							14.5	6.9
NW	0.0	0.0	0.0	0.0								6.6	6.4
NNW	0.0	0.0	0.0									5.6	4.8
VARBL													
CALM												6.2	
	24.7	34.2	25.3	8.2	1.3							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 374

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME: FAIRFAX, VA YEAR: 1977 MONTH: ALL

CLASS: ALL WEATHER

CONDITION:

STATION: 1177 HOURS (LST): 24

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VARBL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CALM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS: 247

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLS, NC STATION NAME 77-77 YEARS AUG  
ALL WEATHER MONTH ALL  
CLAS NO. OF HOURS (L S T)  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	4.2	1.4	.3	.1							9.5	4.3
NNE	1.2	2.7	.9	.1								5.6	4.5
NE	1.2	1.7	.5									3.4	4.3
ENE	1.1	1.2	.4	.1								2.7	4.1
E	.7	.7	.7	.1	.1							1.7	4.6
ESE	.2	.4	.2		.1							1.1	5.1
SE	1.7	.8	.7	.1								2.7	4.4
SSE	1.2	1.7	.5	.1								3.4	4.3
S	4.4	2.4	.9	.7								7.5	3.8
SSW	1.2	1.5	.7									2.9	3.9
SW	1.7	.8	.5	.4	.7							3.7	6.1
WSW	1.2	1.4	.6	.5	.1							3.9	5.8
W	2.5	4.2	3.4	1.7	.7							12.9	5.6
WNW	2.5	3.5	2.3	.5	.1							9.3	5.3
NW	1.7	4.2	1.6	.2								7.8	5.1
NNW	1.7	4.1	1.5	.3								7.6	5.4
VARBL													
CALM												14.7	
	22.7	35.4	15.4	4.6	.8							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 1777

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 0012 FALLON, NV STATION NAME 23 YEARS SEP  
MONTH 04  
HOURS (L.S.T.) 04  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE	50.0											50.0	2.0
SSE													
S													
SSW	50.0											50.0	2.0
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	100.0											100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 2

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME FALLON, NV YEARS 73-75, 77-82 MONTH SEP

CLASS ALL WEATHER HOURS (L S T) 07

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2		1.1								1.3	10.0
NNE													
NE	.2											.2	2.0
ENE	.2			.4								1.1	5.3
E													
ESE	.2											.2	2.0
SE	3.0	.4										4.5	2.6
SSE	10.0	2.3	.6									13.9	2.9
S	12.0	1.1	.4									13.5	2.3
SSW	2.4	1.1										4.5	2.8
SW	2.4	.2										3.4	2.3
WSW	2.4											2.5	2.0
W	3.6	.2										4.5	2.4
WNW	1.5	.2										2.3	3.3
NW	.2	.2	.4									1.0	4.2
NNW		.2										.8	5.0
VARBL													
CALM												44.7	
	43.6	2.4	1.2	1.5								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 266

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 27212 STATION NAME FALLON, NV YEARS 73-75, 77-82 SEE SEP  
CLASS ALL WEATHER MONTH 10  
CONDITION  HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.3	2.4	1.5	1.1								11.7	4.5
NNE	2.3	2.6	.2									5.6	4.0
NE	.4	.5	.4									1.5	4.5
ENE	1.1		.4									1.5	3.5
E	1.1	.4	.4									1.9	3.5
ESE	.2	.2	.4									2.3	4.5
SE	1.1	.4		.4								1.9	4.2
SSE	2.6	.4										3.2	2.3
S	2.9	2.3	1.5									6.8	4.4
SSW	.2											.8	1.0
SW	1.2	1.5										2.4	2.8
WSW	4.5	.4										4.9	2.5
W	4.4	2.3	.4									9.2	2.5
WNW	1.2	.5	.4	.4								3.4	4.7
NW	1.5	.6										2.6	3.0
NNW	4.5	4.5	2.3	.4								11.7	4.6
VARBL													
CALM												26.2	
	30.5	21.1	9.0	2.3								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 266

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME FALLON, NV YEARS 73-75, 77-82 MONTH SEP  
ALL WEATHER CLASS 17  
CONDITION 17  
HOURS (LST) 17

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	6.4	1.0	.4	.4	.4						14.7	5.7
NNE	2.0	4.1	3.4	.4								10.9	5.5
NE	1.5	3.0										4.5	4.0
ENE	1.1	1.1										2.3	2.8
E	1.1	1.1										2.3	2.4
ESE	1.0	3.0		.4								5.3	4.4
SE	.4	1.1										1.5	4.0
SSE	2.7	.4	.4									3.8	3.9
S	2.3	2.3	.4									4.9	4.2
SSW	1.5											1.5	2.0
SW	1.0	1.1	.4									3.4	3.7
WSW	1.1	.4	.4									2.3	3.7
W	2.5	3.0	.4	.4	.4							7.1	5.1
WNW	1.0	2.3	.4									6.0	4.0
NW	2.4	3.0	1.1	.4								7.9	4.6
NNW	2.3	5.3	1.5	.4								9.4	5.1
VARBL													
CALM												12.8	
	34.2	36.3	11.3	2.3	.8	.4						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 266

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73-75 FALLON, NV STATION NAME 73-75, 77-92 YEARS SEP  
MONTH 16  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	12.4	7.5	1.9	.4							25.2	6.2
NNE	1.0	7.5	5.6	.8								15.8	6.2
NE	2.6	4.4	1.5	.4								10.9	5.3
ENE	1.5	.5	.6									2.6	3.6
E	.4	1.1										1.5	4.3
ESE		.2		.4								1.1	4.3
SE		.4			.4							.8	11.0
SSE	.4											.4	3.0
S	.4	1.5	.4									2.6	5.9
SSW													
SW	.4	.4	.4									1.1	5.3
WSW	.2	1.0		.4								2.6	5.4
W	.4	2.5	2.3	2.3	.8							8.3	9.1
WNW	1.4	2.3	.6	1.5								6.4	6.2
NW	1.1	3.0	3.0	.4								8.3	6.0
NNW	1.0	2.3	3.0	.8								7.0	6.1
VARBL													
CALM												4.5	
	16.5	43.6	25.2	6.6	1.5							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 266

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME 73-75, 77-82 YEARS SEP  
STATION ALL WEATHER CLASS 14 HOURS (LST) 14  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	8.3	6.3	2.3	.4	.4							18.0	4.4
NNE	6.7	3.9	1.1									10.9	3.7
NE	6.0	1.9										8.6	2.7
ENE	1.5	.4										1.9	2.0
E	1.1	1.1	.5									3.0	4.6
ESE		.5	.4	.4								1.5	7.3
SE	.4		.4	.4								1.5	7.8
SSE	.4			.4								.8	7.5
S													
SSW			1.1									1.1	8.7
SW	.4	.4										.8	3.0
WSW	1.1	.6										1.9	3.4
W	2.5	4.5	5.6	1.5								14.3	6.7
WNW	4.5	2.6	1.1									8.3	3.9
NW	2.6	2.6	.4	.4								6.7	4.5
NNW	2.3	3.0	.5	.4								6.4	4.8
VARBL													
CALM												15.0	
	38.0	28.6	14.3	3.8	.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 266

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRFAX, NV STATION NAME 73-75.77-22 YEARS SEP  
MONTH 22  
HOURS (L.S.T.) 22  
ALL WEATHER  
CLASS  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.3	1.7	.6								7.9	5.6
NNE	1.2	.4	.4	.4								2.5	5.2
NE	2.1	.5	.4									3.3	4.1
ENE		.4										.4	5.0
E	.8	.4										1.2	3.3
ESE	.4			.4								.8	6.5
SE	.4	.4	.5									1.7	5.0
SSE	.5	1.2		.4								2.5	5.7
S	1.7	.5	.5									3.3	4.5
SSW	2.5											2.5	2.0
SW	4.1	1.2	.4									5.5	3.0
WSW	2.5	1.2	.6									4.1	3.4
W	2.1	5.4	.5									15.4	3.5
WNW	4.2	4.1	1.2									10.0	3.7
NW	2.0	1.7	.9									5.4	3.6
NNW	3.7	2.5	.2	.4								7.5	4.2
VARBL													
CALM												25.7	
	38.0	24.1	8.7	2.5								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 241

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 7107 SALLON, NV STATION NAME 73-75,77-82 YEARS SEP  
MONTH ALL  
CLASS ALL  
HOURS (LST) ALL  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	5.9	2.5	1.7	.2	.1						13.2	5.5
NNE	2.4	3.1	1.9	.2								7.7	5.2
NE	2.4	2.2	.4	.1								5.0	4.1
ENE	1.0	.4	.1	.1								1.7	3.5
E	.8	.7	.2									1.7	3.0
ESE	.6	.0	.2	.3								2.0	5.2
SE	1.1	.5	.3	.1	.1							2.0	4.6
SSE	2.2	.9	.3	.1								4.1	3.9
S	3.2	1.3	.6									5.2	3.6
SSW	1.4	.2	.2									1.8	3.0
SW	1.6	.2	.2									2.9	3.1
WSW	2.1	.8	.1	.1								3.1	3.3
W	4.1	3.1	1.7	.7	.2							9.7	5.1
WNW	2.9	2.1	.7	.3								6.0	4.3
NW	2.1	2.1	1.0	.2								5.7	4.7
NNW	2.4	3.1	1.4	.4								7.2	5.0
VARBL													
CALM												21.6	
	35.2	27.5	11.7	3.5	.4	.1						102.0	3.6

TOTAL NUMBER OF OBSERVATIONS 1573

SMOS

## SURFACE WINDS

STATION	FILLON, NY	73	YEARS	OCT
				MONTH
	ALL WEATHER			74
	CLASS			MOVES (L.S.Y.)
	CONDITION			

[illegible]

TOTAL NUMBER OF OBSERVATIONS 3

**SMOS**

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALL N, NV STATION NAME 73-22 YEARS OCT  
ALL WEATHER NORTH  
 CLASS 07  
 CONDITION HOURS (L S Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7		.7	.7								2.0	6.2
NNE	1.0	.7										1.6	3.0
NE													
ENE	.7		.7									.7	5.5
E		.7										.7	4.0
ESE	1.0	.7										1.6	3.0
SE	2.0	.7										3.6	2.5
SSE	6.6	1.6	.7	.3								9.2	3.2
S	6.6	1.6	.3									7.9	2.4
SSW	1.6	.3		.3								2.3	3.6
SW	1.6	1.6	.3									3.6	3.8
WSW	1.6	.3										2.6	2.3
W	2.3	.7		.7								3.6	4.3
WNW	2.3											2.6	2.5
NW	.7	1.6	.3									2.0	4.2
NNW	.7	.7	.7									1.3	6.0
VARBL													
CALM												55.7	
	30.7	8.3	3.3	2.0								100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 305

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRFAX, VA STATION NAME 73-80 YEARS OCT  
CLASS ALL WEATHER MONTH 10  
CONDITION HOURLY (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.6	2.0	.3								7.0	5.7
NNE	.5	.7	.7									1.9	6.0
NE		.7	.7									.7	7.3
ENE	.3	.7										1.0	4.0
E	2.0											2.0	1.0
ESE	1.6	.7										2.3	2.7
SE	2.0											3.0	1.9
SSE	2.0	1.3	1.0	.7								5.0	4.8
S	7.2	7.0	1.3	1.6								13.1	4.9
SSW	2.0	1.0										3.0	3.3
SW	2.0	1.3		.3								3.6	4.1
WSW	2.6	1.0	.7	.3								4.6	4.1
W	5.2	1.6	.7	.7								7.0	7.5
WNW	1.0	1.1										3.0	3.0
NW	1.6	.3	1.0	.3								3.3	5.4
NNW	3.6	1.6	1.7	.7	.3							7.0	5.0
VARBL													
CALM												29.6	
	39.1	17.0	9.9	3.9	.3							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 305

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 77-20 YEARS 1957  
 CLASS ALL WEATHER MONTH 12  
 CONDITION 17  
 HOURS (LST) 17

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	7.4	2.0	.7								16.1	4.4
NNE	1.3	5.2	.3									6.8	4.2
NE	2.7	3.0	1.6									7.3	4.1
ENE	2.5	1.0	.7									3.9	3.4
E	1.0	.7										2.4	2.3
ESE	1.7	1.3										2.5	2.6
SE	.7	.7	.7	.7	.7							1.6	3.4
SSE	1.2	1.3	.7									3.2	4.0
S	1.6	2.3	2.1	.7								6.7	4.1
SSW	1.4	.7	.7	.7								3.5	5.1
SW		.7			.7							1.7	4.3
WSW	1.1	1.3	.7	.3	.7							4.3	3.3
W	1.3	1.3	1.7	.3	.7							5.0	5.6
WNW	2.7	1.3		.3								3.6	4.3
NW	3.7	.7	.3	1.0								5.7	5.1
NNW	1.3	3.1	2.6	.7								9.7	6.2
VARBL													
CALM												14.1	
	37.3	33.4	17.4	4.9	1.6							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 374

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRBANKS, AK STATION NAME FAIRBANKS YEARS 1951-52 MONTH ALL  
CLASS ALL  
CONDITION ALL  
HOURS 1-24

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	6.7	1.0								10.0	1.0
NNE	1.0	1.0	0.0									2.0	1.0
NE	1.0	6.7	7.7									11.0	1.0
ENE	1.0	2.0	1.0									3.0	1.0
E	1.0	1.0										2.0	1.0
ESE	1.0	1.0		1.0								1.0	1.0
SE	1.0	1.0	1.0									3.0	1.0
SSE	1.0	1.0	1.0	1.0								4.0	1.0
S	1.0	1.0	1.0	1.0								4.0	1.0
SSW	1.0		1.0									2.0	1.0
SW	1.0		1.0	1.0								3.0	1.0
WSW	1.0	1.0	1.0	1.0	1.0							5.0	1.0
W	1.0	1.0	1.0	2.0	1.0							6.0	1.0
WNW	1.0	1.0	1.0	1.0								4.0	1.0
NW	1.0	1.0	1.0	1.0								4.0	1.0
NNW	1.0	1.0	1.0	1.0								4.0	1.0
VARBL													
CALM													
	10.0	45.0	27.0	7.0	1.0							100.0	1.0

TOTAL NUMBER OF OBSERVATIONS 276

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 73-12 YEARS 19  
CLASS ALL WEATHER MONTH OCT  
CONDITION 19  
HOURS (LST) 19

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.0	2.0	.7								17.0	3.3
NNE	2.7	2.0										5.0	2.2
NE	1.7	1.0										6.0	2.3
ENE	1.7	1.7										2.0	7.4
E	.7											.7	1.3
ESE	.7		.7									.7	5.0
SE	.7	.7	.7									1.0	5.7
SSE	1.7	1.0										2.0	3.5
S	1.7	1.7	.7	.3								2.0	5.1
SSW	.7		.7									1.7	4.5
SW		1.7										1.0	4.0
WSW	1.7	.7	1.7	.7								3.0	6.0
W	3.7	2.0	1.7	1.0								11.7	5.4
WNW	.7	2.7	.7									5.0	3.7
NW	1.7	2.7										4.0	3.6
NNW	.7	1.7		.7								5.0	4.0
VARBL												25.0	
CALM													
	41.7	27.3	6.6	3.6								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 100

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRFAX, VA STATION NAME 77-52 YEARS OCT  
CLASS ALL WEATHER MONTH 22  
CONDITION HOURLY (L S T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.3	.7	.7		.3						3.6	7.2
NNE	.5	.7										1.2	4.0
NE	1.3	.7										2.0	2.3
ENE	1.3	.3										1.6	3.0
E	.7											.7	2.0
ESE	.7											.3	3.0
SE	1.3	.3										2.0	2.3
SSE	1.3	2.3										6.2	2.9
S	1.3	1.6	1.6	.3								10.2	3.9
SSW	2.6	.7	.3									3.6	3.1
SW	1.3	1.6	.3									4.3	3.4
WSW	2.2	1.6										3.9	3.3
W	1.3	2.0	.7	.3								8.2	4.2
WNW	.7	2.3										3.0	2.9
NW	1.3	1.6	.3	.3								3.6	4.6
NNW	1.3	1.3	.7									3.0	4.1
VARBL													
CALM												41.0	
	36.1	16.7	4.3	1.6		.3						100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 305

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALL IN, NV STATION NAME FALL IN, NV YEARS 73-77 MONTH OCT

CLASS ALL WEATHER

CONDITION ALL

HOURS (L & T) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.5	0.7	2.3	0.7		0.1						11.0	5.0
NNE	1.7	7.9	1.0									6.7	4.7
NE	1.7	2.1	0.0									4.7	4.5
ENE	1.7	1.0	0.2									2.7	3.9
E	1.7	0.3										1.3	2.5
ESE	0.0	0.0	0.1	0.1								1.4	3.6
SE	1.7	0.2	0.0	0.1	0.1							2.0	3.7
SSE	0.2	1.0	0.4	0.2								5.1	3.7
S	3.2	1.0	1.1	0.6								7.3	4.5
SSW	1.4	0.4	0.2	0.2								2.7	4.2
SW	1.7	0.0	0.2	0.1	0.1							2.4	4.4
WSW	1.7	0.3	0.5	0.4	0.1							3.6	5.2
W	3.3	1.7	0.2	0.9	0.2							7.1	5.5
WNW	0.0	1.4	0.2	0.2								3.7	4.2
NW	1.7	1.3	0.7	0.3								4.0	5.2
NNW	0.1	1.7	1.3	0.3	0.1							5.8	5.3
VARBL													
CALM												28.4	
	43.0	23.6	12.2	4.0	0.4	0.1						120.0	3.3

TOTAL NUMBER OF OBSERVATIONS 1333

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME 73 YEARS NOV  
MONTH NOV  
HOURS (L S T) 24  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E			100.0									100.0	8.0
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
			100.0									100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 1

SMOS

100-1040-1084 (7-1) 9-88 201

1  
1  
1  
3

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME 73-92 YEARS NOV  
ALL WEATHER MONTH 07  
 CLASS 07  
 HOURS (L.S.T.) 07  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.3	.3	.7								2.4	6.0
NNE	.7		.7									1.0	4.7
NE	1.4	.3										1.7	2.4
ENE	1.7											1.1	2.0
E	1.7	.3	.3									2.4	2.6
ESE	1.0	.7										1.7	3.0
SE	1.7	.3	.3	.3								2.7	4.8
SSE	2.1	2.4	.3									5.8	3.5
S	4.4	2.7	.7	1.0								9.8	4.4
SSW	2.0											2.0	2.0
SW	1.7	1.7										3.4	3.4
WSW	1.4	.3	.7	.3								2.7	5.6
W	2.7	.3	.7									3.7	3.4
WNW	1.4	.3	.3									2.1	3.3
NW	1.7	1.4										3.1	3.2
NNW	2.1	.7	.7									3.4	3.6
VARB													
CALM												51.7	
	23.4	12.9	4.7	2.4								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS 295

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLOP, NC STATION NAME FALLOP, NC YEARS 77-78 MONTH NOV  
CLASS ALL WEATHER HOURS (LST) 10  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.7	1.3	2.7									6.3	5.1
NNE	2.4	1.0	.7	.7								4.7	4.9
NE	1.4	.3										1.7	2.4
ENE	.7	1.1	.7									2.4	4.9
E	1.4	.3	.3									2.0	3.2
ESE	.7	.3	.7									1.4	4.0
SE	1.3	.3	.7		.3							2.4	6.4
SSE	2.4	2.7	2.0	.7	.3							8.1	6.0
S	4.7	2.0	1.7	1.7	.3							9.8	5.4
SSW	1.7	1.4	.7	.3								4.1	4.8
SW	1.4			1.7								3.7	6.9
WSW	1.7		.3		.3							2.4	5.7
W	2.0	1.7	.7	.3	.3							5.1	5.9
WNW	.7	1.0		.3								2.0	5.3
NW	.7	.7										1.4	3.3
NNW	1.7	.7	1.4	.3								4.1	5.8
VARBL													
CALM												16.9	
	27.4	14.5	12.2	5.4	1.7							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 296

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 771 FULLON, NV STATION NAME 73-12 YEARS NOV  
ALL WEATHER MONTH 17  
 CLASS NOV  
 HOURS (LST) 17  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	1.7	3.4	.3								9.8	5.3
NNE	3.4	2.4	1.0									7.1	4.3
NE	3.4	2.4	.3									6.1	3.5
ENE	4.4	1.7	.7									6.8	3.4
E	1.0											1.4	1.8
ESE	.7	1.0	.7									2.4	5.0
SE	.7	.3				.3						1.0	9.3
SSE	2.7	1.4	.7	.3								5.1	4.1
S	.7	2.4	2.0	.3		.7						5.4	7.0
SSW	.7	.7	.7	1.0								2.4	9.3
SW	.7		.7	1.0	.3							4.1	7.8
WSW	.7	.7	.3	1.0	1.0							3.7	11.5
W	1.0	1.7	.7	1.7		.3						5.4	8.7
WNW	.7	.7	2.4	.7								4.4	7.4
NW	2.4	1.7	1.0									5.1	4.3
NNW	3.4	1.7	.7	1.4								6.8	5.6
VARBL													
CALM												23.1	
	31.5	22.0	15.3	7.8	1.4	1.7						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 205

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 03112 STATION NAME FALLS, NC YEARS 73-80 MONTH NOV  
CLASS ALL WEATHER HOURS (LST) 15  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	6.1	2.7	1.4	.3							14.5	5.9
NNE	6.5	3.8	7.1									18.4	4.4
NE	5.8	2.5	2.0									16.2	4.3
ENE	1.7	3.4	1.0									6.1	4.6
E	1.4		.7									1.7	3.2
ESE	.7	.3										1.0	3.0
SE	1.1	.3										1.4	3.0
SSE		.7	.3	.3								1.4	7.8
S	1.0	2.0										3.1	4.2
SSW	.5	.3	.7	1.0								2.4	9.2
SW	.4		1.4	.7								2.4	4.3
WSW	.7		1.0	.3								1.7	5.0
W	.7	2.0	1.4	1.7	.3							7.5	7.5
WNW	.3	.3	.7									1.4	5.5
NW	2.0	2.7	.7									4.4	4.0
NNW	1.4	3.7	.7									5.0	4.9
VARB.													
CALM												10.5	
	27.4	38.8	17.7	4.8	.7							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 294

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRFAX STATION NAME 77-82 YEARS NOV  
MONTH NOV  
CLASS ALL WEATHER  
HOURS (L S Y) 19  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	3.1	1.7	.7								12.2	3.9
NNE	2.4	.3										2.5	2.5
NE	2.7	1.7										4.4	3.2
ENE	.6	.3	.7									1.6	4.7
E	.7	.7										1.4	3.3
ESE	1.4	.3	.7									2.4	4.6
SE	1.7	.3										2.3	2.2
SSE	.7	1.7	1.7	.7								3.3	6.2
S	.7	1.7	.7									2.4	4.6
SSW	1.7	.7		.7								2.4	5.7
SW	.7	.7	.7									1.4	6.0
WSW		1.4	1.4		.3							3.1	7.0
W	4.1	1.4	1.4	.3								7.2	4.4
WNW	1.7	.3	.7	.3								2.4	5.7
NW	1.7	1.4	.7	.3								4.1	5.3
NNW	2.7	2.4	1.7									7.2	3.7
VARBL													
CALM												39.6	
	31.1	17.1	9.2	2.7	.3							100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 293

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73-52 STATION NAME ALL WEATHER CLASS 22 MONTH NOV HOURS (L S Y)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.7	.7									2.7	4.6
NNE	1.4											2.7	2.2
NE	.4	.4										.7	3.7
ENE	.4	.4										.7	2.5
E	.7											.7	2.6
ESE	.7	.4										1.1	3.7
SE	1.4	1.1										2.5	3.0
SSE	1.4	2.5	1.1	.4								4.0	3.7
S	2.5	4.0	1.1		.4							12.6	4.1
SSW	.4			.4								2.5	4.0
SW	2.5		.4									3.2	2.2
WSW	1.1	.7	.7									2.5	4.5
W	2.5	1.1		.4								4.3	3.8
WNW	1.4	1.1	.7									3.2	4.8
NW	.4	1.4	.7									2.5	5.3
NNW	1.4	2.5										4.0	3.8
VARBL													
CALM												45.0	
	12.2	16.2	5.4	1.1	.4							120.0	2.1

TOTAL NUMBER OF OBSERVATIONS 278

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRFAX, N.C. STATION NAME 73-52 YEARS NOV  
MONTH NOV  
CLASS ALL WEATHER  
CONDITION ALL  
HOURS (L S T) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	2.2	1.8	.5	.1							8.7	5.1
NNE	2.1	2.1	.9	.1								5.2	4.1
NE	2.5	2.3	.4									5.2	3.8
ENE	1.4	1.1	.5									3.1	2.5
E	1.1	.2	.2									1.7	2.5
ESE	.5	.5	.2									1.7	4.1
SE	1.7	.5	.2	.1	.1	.1						2.2	4.5
SSE	2.6	1.3	.5	.3	.1							5.4	4.5
S	2.1	2.5	1.2	.4	.1	.1						7.1	8.9
SSW	1.3	.5	.3	.6								2.7	5.4
SW	1.4	.4	.5	.6	.1							2.9	6.3
WSW	.2	.2	.7	.3	.3							2.7	7.6
W	2.2	1.4	1.1	.6	.1	.1						5.5	5.9
WNW	.5	.4	.5	.2								2.6	5.5
NW	1.5	1.4	.5	.1								3.4	4.3
NNW	2.7	1.2	.7	.3								5.7	4.6
VARBL													
CALM												74.5	
	2.7	12.9	10.8	4.1	.7	.2						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 1752

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME ASHEVILLE YEARS 1951-1952 010  
CLASS ALL WEATHER NORTH  
CONDITION 07  
HOURS (L S T) 07

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	1.3	1.3	1.7								4.7	1.3
NNE	1.7	1.7										1.3	4.7
NE	1.7	1.7	1.7	1.7								1.3	4.7
ENE	1.7	1.7										1.4	3.7
E	1.7	1.7	1.7									2.0	3.4
ESE	1.7											1.7	2.3
SE	1.7	1.7										2.4	2.3
SSE	1.7	1.7	1.7	1.7								7.1	4.2
S	1.7	1.7	1.7	1.7								10.5	3.2
SSW	1.7	1.7	1.7	1.7								2.7	4.2
SW	1.7	1.7	1.7	1.7								1.3	3.2
WSW	1.7	1.7	1.7	1.7								2.4	2.3
W	1.7	1.7	1.7	1.7								3.4	4.2
WNW	1.7	1.7	1.7	1.7								1.7	3.2
NW	1.7	1.7	1.7	1.7								2.7	4.2
NNW	1.7	1.7	1.7	1.7								2.7	3.2
VARBL													
CALM												4.7	
	2.7	1.3	1.3	2.7								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 225

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FAIRFAX, NC STATION NAME 77-1 YEARS 1950  
CLASS ALL WEATHER MONTH 12  
HOURS (LST) 17  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	1.7	.7								5.2	6.1
NNE	.7	.7	.7									3.2	4.6
NE	.7	.7										2.7	2.5
ENE	1.7	.7										1.7	3.5
E	.7	1.7										1.7	2.8
ESE	1.7	1.7		.7								2.7	4.6
SE	1.7	1.7	.7	.7								3.4	4.6
SSE	.7	2.7	1.7	.7								7.7	4.7
S	1.7	.7	5.7	1.7								15.7	6.7
SSW	1.7	.7				.7						2.7	5.4
SW	1.7	.7		.7	.7							2.7	5.4
WSW	1.7	.7	.7									2.7	4.7
W	1.7	.7	.7	.7								2.7	4.7
WNW	.7	.7	1.7									2.7	4.7
NW	1.7	1.7	.7									2.7	4.7
NNW	1.7	.7	.7	.7			.7					3.7	5.7
VARBL													
CALM												30.7	
	24.7	16.7	12.7	5.7	.3	.7	.7					100.7	3.7

TOTAL NUMBER OF OBSERVATIONS 376

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
CLASS \_\_\_\_\_ HOURS \_\_\_\_\_  
CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION                      STATION NAME                      YEARS                      MONTH                     

                     CLASS                      HOURS (L S Y)                     

CONDITION                     

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.7	2.4	1.7	.3							18.7	4.9
NNE	.4	1.1	.7									16.2	4.0
NE	.3	.4										12.5	3.9
ENE	.7	2.7	.7									5.1	4.4
E			.3	.3								1.0	3.7
ESE	.3	.7	.7									1.8	4.3
SE		.7		.7								3.4	4.3
SSE	1.4	1.4	1.4	1.7								4.7	7.1
S	.3	.7	.7									4.1	3.3
SSW	.3		.7	1.7								2.4	4.9
SW				.7		.7						1.4	10.7
WSW	.3	.7	.7	.7								2.7	5.7
W	.3		1.7	1.7	.7							3.4	11.7
WNW	.7	1.4	.7	.3								2.7	5.5
NW	.3	2.4	.7	.7								4.1	5.8
NNW	.7	1.4	2.4									4.8	5.5
VARBL													
CALM												13.7	
	1.4	14.7	12.7	7.4	.7	.7						100.7	4.7

TOTAL NUMBER OF OBSERVATIONS 296

SMOS



NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 73-12 YEARS DEC  
CLASS ALL WEATHER MONTH 10  
CONDITION 10 HOURS (LST) 10

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1									8.3	3.7
NNE	.1	.7		.4	.4							6.5	4.5
NE	.1	.4	.4									4.0	3.4
ENE	.1	.7										2.5	2.5
E	.4	.1	.4									2.9	4.3
ESE	.4											.4	2.0
SE	.1	.4										2.5	3.4
SSE	.4	.1	.4	.4								4.3	5.5
S	.5	.1	.7		.4							5.1	6.4
SSW	.1	.4	.4									2.5	3.6
SW	.1		.4	.4		.4						1.4	13.5
WSW	.7		.4	.4								1.4	5.8
W	.7	.4	.7									6.1	3.7
WNW	.1	.7	.4									4.0	4.9
NW	.5	.1	.4									4.0	3.5
NNW	.5	.5	.7	.4								6.5	4.4
VARBL													
CALM												27.2	
	34.7	17.0	8.7	1.0	.7	.4						100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 277

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION ASHEVILLE, NC STATION NAME 73-77, 79-82 YEARS DEC  
MONTH 22  
HOURS (LST) 22  
CLASS ALL WEATHER  
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	1.0	.5								3.5	0.6
NNE	.0	.0										1.4	3.3
NE	.0	.0										1.4	3.3
ENE													
E	.0	.0										.0	3.0
ESE	1.0	.0										2.7	2.7
SE	.0	.0										1.4	3.0
SSE	.0	4.1	1.4	.5								8.1	4.9
S	.0	1.4	.0	1.4								12.2	4.0
SSW	.0		.5	.0								5.0	5.2
SW	1.0	.0		.0								2.7	4.5
WSW	.0	.0		.0								4.5	3.6
W	.0	.0	.0									4.1	3.6
WNW	1.0	.0										2.3	2.6
NW		.0	1.4									1.4	6.3
NNW	1.4											1.4	2.7
VARBL													
CALM												46.6	
	21.7	11.3	6.0	4.1								100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 221

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME 73-00 YEARS DEC  
CLASS ALL WEATHER MONTH ALL  
CONDITION NOV 11 5 T

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.5	1.6	.5	.2							5.2	5.1
NNE	2.7	2.5	.2	.2	.1							6.4	4.1
NE	2.2	1.9	.2	.1								4.7	3.6
ENE	1.5	.6	.1									2.6	3.4
E	.3	.5	.2	.1								1.0	4.0
ESE	1.2	.4	.1	.1								1.6	3.7
SE	2.1	1.2	.1	.2								3.6	3.9
SSE	2.7	2.4	1.1	.7								6.7	5.2
S	4.1	2.3	2.0	.9	.1							9.2	5.4
SSW	1.7	.5	.5	.1		.1						3.0	5.4
SW	.7	.5	.2	.5	.1	.2						2.0	5.7
WSW	1.4	.5	.2	.3	.1	.2						2.6	5.5
W	1.6	.7	.7	.5	.1	.1						3.5	5.9
WNW	.2	.7	.5	.1								2.2	4.8
NW	1.2	1.2	.7	.1								3.1	4.8
NNW	1.7	1.2	.2	.4	.1		.1					4.2	5.7
VARBL													
CALM												33.0	
	22.5	19.7	2.4	4.0	.7	.4	.1					100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 1648

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION FALLON, NV STATION NAME 77-32 YEARS ALL  
CLASS ALL WEATHER  
CONDITION ALL  
HOURS (L S T) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.3	2.2	.2	.1	.0						10.1	5.7
NNE	2.2	2.5	1.1	.2	.2							6.6	4.9
NE	1.7	1.3	.4	.1								4.0	4.2
ENE	1.2	1.0	.7	.3								2.9	4.0
E	1.1	.7	.5	.3	.0							2.3	3.3
ESE	.3	.5	.2	.1	.0							1.0	4.7
SE	1.7	.2	.2	.1	.0	.0						2.0	4.6
SSE	2.1	1.5	.7	.3	.0	.0						4.7	4.9
S	2.3	2.1	1.0	.5	.1	.0		.7				7.0	5.5
SSW	1.4	.4	.4	.2	.1	.2	.0					2.0	5.4
SW	1.5	.7	.4	.4	.2	.1	.0					3.1	6.7
WSW	1.3	1.7	.7	.5	.1	.1	.0	.0				3.7	6.4
W	2.2	2.5	2.6	1.4	.3	.2	.0					9.6	5.7
WNW	1.3	2.3	1.5	.6	.1	.0						6.7	6.0
NW	1.5	2.2	1.7	.4	.1							5.2	5.8
NNW	1.9	2.7	1.5	.4	.1	.0	.0					6.7	5.9
VARBL													
CALM												21.0	
	28.2	27.2	14.7	6.7	1.2	.3	.0	.0				100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 21143

SMOS

NAVAL WEATHER SERVICE  
DETACHMENT  
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

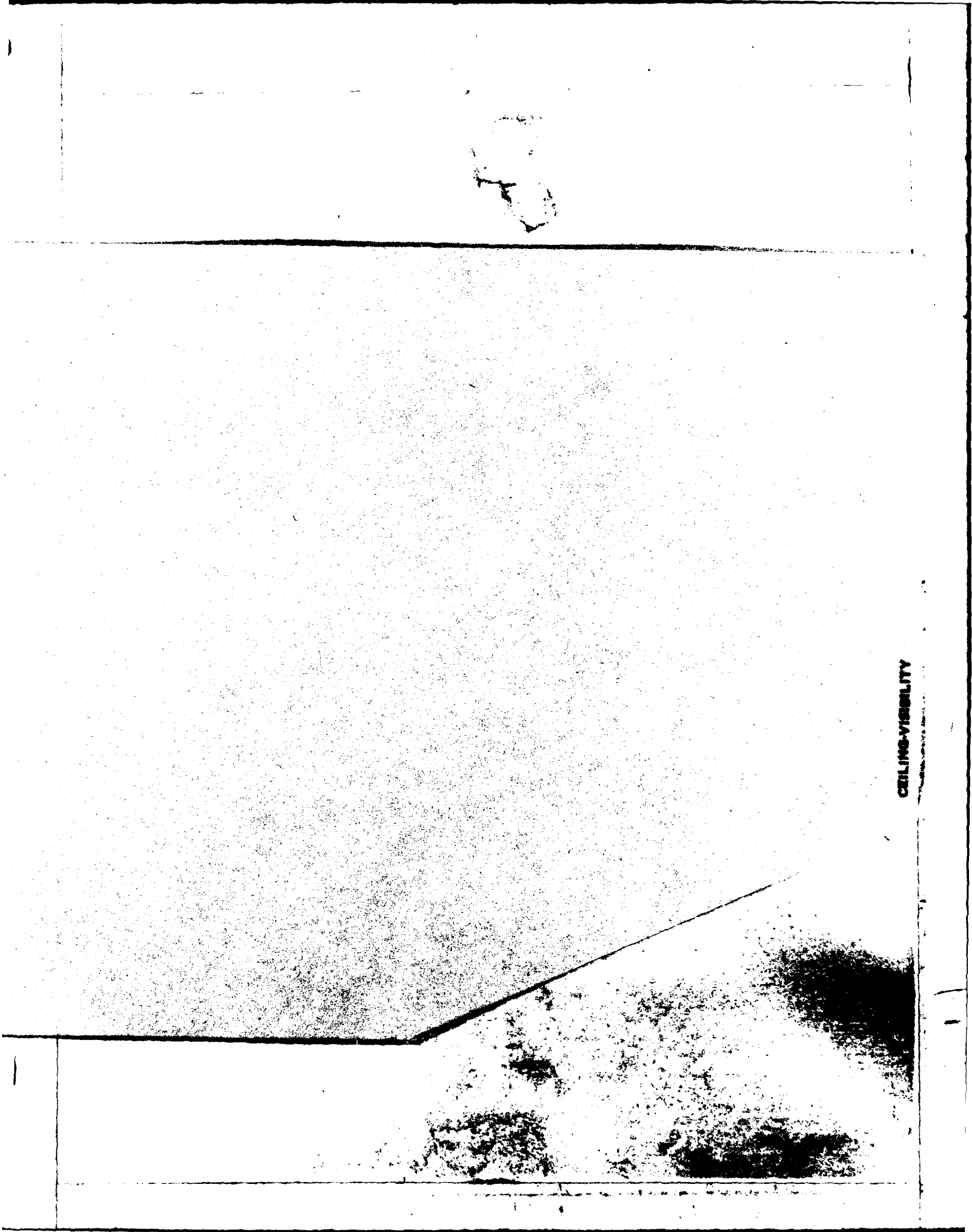
STATION FALL N. NV STATION NAME 73-52 YEARS ALL  
INSTRUMENT CLAS MONTH ALL  
CLASS CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE. HOURS (L.S.T.)  
CONDITION AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	3.1	3.0	3.9	1.7	.4						15.7	9.3
NNE	2.2	2.4	.9									8.7	3.6
NE	1.7		.4									2.8	3.6
ENE	.4	.4										.9	3.6
E	.4		.4									.9	4.5
ESE	1.7	.4	.4									2.6	3.5
SE		.4										.4	4.0
SSE	1.7	.4	.4									2.6	4.0
S	2.4	.4	.4			.4						4.2	2.6
SSW	.4	.4	.4			1.7						3.5	12.9
SW	1.7	.4		.4	.9	.7						4.3	12.1
WSW	.4	.4		.4	.9	.4						3.2	12.1
W	2.2	1.7	.4	.4			.4					5.2	6.6
WNW	1.3	.4	.4	.4		.4						3.1	3.9
NW	1.3	1.7	1.7		.4							4.8	7.0
NNW	1.7	1.7	3.1	2.2								8.7	6.2
VARBL													
CALM												26.7	
	27.4	14.6	13.0	7.8	3.9	3.9	.4					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 230

SMOS

CEILING-VISIBILITY



NOCB, Federal Building  
Asheville, N. C.

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By Month - all years and all hours combined
3. By Month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

# EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq 5/16$	$\geq 0$
NO CEILING															
1800															
1500					91.0										92.6
1200															
1000															
900															
800															
700															
600															
500										97.4					98.1
400															
300															
200															
100															
0					95.4		96.9			98.3					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
 For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
 Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
 Visibility  $\geq 3$  miles = 95.4%.  
 Visibility  $\geq 2$  miles = 96.9%.  
 Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.



## PART D

### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.  
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

## PART D

## SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: #1: Sky cover (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: #2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

NOTE: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

Clear converted to 0/10  
Scattered converted to 3/10  
Broken converted to 9/10  
Overcast converted to 10/10  
Obscured converted to 10/10

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7900																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHIEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
≥ 20000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 18000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 16000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 14000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 12000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 10000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 9000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 8000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 7000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 6000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 5000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 900	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 700	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 600	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 400	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 300	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DEPARTMENT OF THE ARMY

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DEPT/AVOCEANMET 5M/25

NAVAL WEATHER SERVICE DETACHMENT, ASHLEVELE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LL S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 20000	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 18000	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 16000	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 14000	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 12000	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 10000	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 9000	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 8000	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 7000	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 6000	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 5000	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4500	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4000	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3500	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3000	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2500	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2000	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1800	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1500	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1200	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1000	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 900	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 800	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 700	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 600	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 500	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 400	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 300	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 200	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 100	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 0	.	1.	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

DIPNAVJCEANMET 5W05

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAUCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 20000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 9000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 8000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 7000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 6000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 5000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 900	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 700	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 600	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 400	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 300	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 100	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
≥ 20000	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 18000	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 16000	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 14000	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 12000	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 10000	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 9000	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 8000	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 7000	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 6000	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 5000	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 4500	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 4000	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 3500	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 3000	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 2500	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 2000	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1800	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1500	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1200	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 1000	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 900	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 800	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 700	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 600	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 500	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 400	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 300	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 200	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 100	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 0	1.3	4.1	5.7	11.7	11.7	5.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7

TOTAL NUMBER OF OBSERVATIONS 212

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE ILST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

1745

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	IV ¾	IV ½	≥ 5/16	IV ¼	IV 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS - L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 20000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 18000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 16000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 14000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 12000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 10000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 9000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 8000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 7000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 6000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 5000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 4500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 4000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 3500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 3000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 2500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 2000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1800	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1200	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 900	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 800	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 700	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 600	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 400	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 300	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 200	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 100	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 18000	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 16000	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 14000	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 12000	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 10000	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 9000	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 8000	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 7000	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 6000	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 5000	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4500	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4000	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3500	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3000	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2500	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2000	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1800	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1500	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1200	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1000	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 900	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 800	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 700	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 600	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 500	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 400	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 300	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 200	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 100	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 0	7	1.3	1.1	1.1	1.1	1.1	1.4	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCPLANMET 0005

NAVAL WEATHER SERVICE DETACHMENT ADDRESS LINE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 5MOS

NAVAL WEATHER SERVICE DETACHMENT, ASHBEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 20000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 18000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 16000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 14000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 12000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 10000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 9000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 8000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 7900	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 6000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 5000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 900	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 700	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 600	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 400	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 300	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

DIRNAVJGLANVET 00000

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
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IV 4500																
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IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DATA SOURCE

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (1-5)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING																
$\geq 20000$																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
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IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVJOCEANMET 3MDS

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS LST

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
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IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
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IV 900																
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IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 51

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
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IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIP .AVUCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV IV 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
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IV 1800																
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IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 5

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
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IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 1 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENT  
HOURS OBS.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
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IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ANHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING $\geq 20000$																
IV 18000 IV 16000																
IV 14000 IV 12000																
IV 10000 IV 9000																
IV 8000 IV 7000																
IV 6000 IV 5000																
IV 4500 IV 4000																
IV 3500 IV 3000																
IV 2500 IV 2000																
IV 1800 IV 1500																
IV 1200 IV 1000																
IV 900 IV 800																
IV 700 IV 600																
IV 500 IV 400																
IV 300 IV 200																
IV 100 IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMDS

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	IV 6	IV 5	IV 4	IV 3	≥ 2½	IV 2	≥ 1½	≥ 1¼	IV 1	IV ¾	IV ¾	IV ½	IV 5/16	IV ¼	IV 0
NO CEILING	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 20000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 18000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 16000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 14000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 12000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 10000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 9000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 8000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 7000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 6000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 5000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 900	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 700	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 600	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 400	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 300	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET NMOS

NAVAL WEATHER SERVICE DETACHMENT, ANNEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5 16	≥ ¼	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DEPARTMENT OF THE NAVY



NAVAL WEATHER SERVICE DETACHMENT, ANTIPLANE TWO

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

OFFICER IN CHARGE

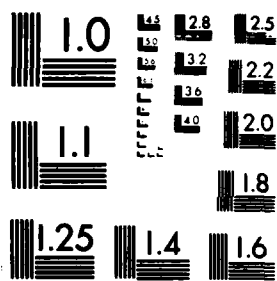
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
FALLON NEVADA(U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT  
ASHEVILLE NC AUG 84

3/4

**F/G 4/2**

NL

[illegible]



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS 1963-A

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

FALL 1972

STATION NAME

72-12

YEARS

1972

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	79.7	69.7	61.7	57.0	51.3	43.3	38.0	30.3	26.7	20.3	16.0	13.3	10.3	8.3	6.7	6.0
≥ 20000	71.7	71.7	71.7	71.7	71.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 18000	71.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 16000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 14000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 12000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 10000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 9000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 8000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 7000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 6000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 5000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 4500	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 4000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3500	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 2500	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 2000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 1800	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 1500	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 1200	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 1000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 900	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 800	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 700	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 600	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 500	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 400	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 300	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 200	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 100	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3

TOTAL NUMBER OF OBSERVATIONS

100

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

FALLON, VT

STATION NAME

77-40

YEARS

AF

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.7	58.7	59.7	59.0	59.0	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 20000	55.7	56.7	57.7	57.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000	56.7	58.7	62.3	62.3	61.7	61.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 16000	56.7	58.7	62.3	62.3	61.3	60.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 14000	69.7	70.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 12000	72.7	73.7	73.7	73.7	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 10000	76.7	77.3	78.7	78.0	78.7	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 9000	77.7	78.3	78.7	79.0	79.7	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 8000	79.7	80.7	81.7	81.3	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 7000	79.7	80.7	81.3	81.3	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 6000	81.7	81.7	82.3	82.3	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 5000	81.7	82.7	82.7	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 4500	87.7	88.7	89.3	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 4000	82.7	84.7	84.7	85.0	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3500	84.7	85.3	85.7	85.3	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 3000	86.3	87.7	88.3	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2500	86.7	87.7	88.3	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 2000	86.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800	86.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1500	86.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1200	86.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1000	86.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 900	86.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 800	86.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 700	86.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 600	86.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 500	86.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 400	86.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 300	86.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 200	86.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 100	86.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 0	86.7	88.7	89.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3

TOTAL NUMBER OF OBSERVATIONS

300

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 77-78 MONTH: APR  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)  
 MONTH: 19 MONTHS: 12

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 18000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 16000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 14000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 12000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 10000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 9000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 8000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 7000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 6000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 5000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 4500	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 4000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 3500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 3000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

FALL 1962

STATION NAME

77-78, 60-02

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	69.6	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 20000	75.6	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 18000	75.6	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 16000	75.6	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 14000	77.4	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 12000	81.1	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 10000	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 9000	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 8000	87.4	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 7000	88.2	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 6000	90.6	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 5000	92.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 4500	92.7	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 4000	95.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 3500	95.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3000	95.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	95.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 2000	95.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1800	95.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1500	96.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1200	96.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1000	96.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 900	96.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	96.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700	96.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	96.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	96.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400	96.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 300	96.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 200	96.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 100	96.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 0	96.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS

271

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

FALL 1977

STATION NAME

77-22

YEARS

4P

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)ALL  
HOURS (L & T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8
NO CEILING	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 20000	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 18000	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 16000	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 14000	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 12000	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 10000	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 9000	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 8000	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 7000	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 6000	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 5000	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4500	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4000	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 3500	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 3000	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 2500	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 2000	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1800	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1500	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1200	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 1000	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 900	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 800	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 700	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 600	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 500	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 400	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 300	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 200	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 100	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 0	71.7	71.7	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7

TOTAL NUMBER OF OBSERVATIONS

1777

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION FALLS, NC STATION NAME                      YEARS                      MONTH                     

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

21  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS                     

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

FALL 1954

STATION NAME

73

YEARS

DAY

MONTH

74

HOURS (LST)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-57

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

77  
HOURS PER YEAR

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 20000	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
≥ 18000	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
IV 16000	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
IV 14000	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
IV 12000	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
IV 10000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 9000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 8000	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
IV 7000	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
IV 6000	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
IV 5000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 4500	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 4000	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
IV 3500	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
IV 3000	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 2500	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 2000	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 1800	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 1500	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 1200	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 1000	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 900	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 800	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 700	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 600	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 500	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 400	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 300	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 200	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 100	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
IV 0	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4

TOTAL NUMBER OF OBSERVATIONS

515

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: ASHEVILLE, NC YEARS: 1950-1959 MONTH: 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 20000	21.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 18000	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 16000	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 14000	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 12000	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 10000	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 9000	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 8000	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 6000	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4500	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 4000	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3500	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 3000	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2500	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 2000	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1800	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1500	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1200	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 1000	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 900	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 800	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 700	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 600	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 500	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 400	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 300	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 200	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 100	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 0	21.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0

TOTAL NUMBER OF OBSERVATIONS: 1

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS 11 5 7

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 20000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 18000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 16000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 14000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 12000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 10000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 9000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 8000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 7000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 6000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 5000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 3000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 2000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 900	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 700	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 600	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 400	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 300	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 100	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY L.S.T

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
≥ 20000	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 18000	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 16000	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 14000	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 12000	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 10000	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 9000	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 8000	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 7000	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 6000	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 5000	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 4500	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 4000	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 3500	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 3000	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 2500	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 2000	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 1800	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 1500	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 1200	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 1000	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 900	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 800	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 700	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 600	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 500	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 400	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 300	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 200	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 100	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1
IV 0	4.7	14.1	24.1	34.1	44.1	54.1	64.1	74.1	84.1	94.1	104.1	114.1	124.1	134.1	144.1

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

17-12

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS 11 5 7

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 20000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 18000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 16000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 14000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 12000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 10000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 9000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 8000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 7000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 6000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 5000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 4500	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 4000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 3500	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 3000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 2500	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 2000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 1800	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 1500	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 1200	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 1000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 900	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 800	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 700	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 600	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 500	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 400	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 300	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 200	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 100	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

77-12

YEARS

MAY

NORTH

ALL

HOURS 11.57

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 20000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 18000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 16000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 14000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 12000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 10000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 9000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 8000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 7000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 6000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 5000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 4500	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 4000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 3500	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 3000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 2500	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 2000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 1800	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 1500	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 1200	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 1000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 900	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 800	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 700	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 600	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 500	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 400	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 300	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 200	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 100	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2

TOTAL NUMBER OF OBSERVATIONS

1-60

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ ⅓	≥ ⅕	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

73

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

LI  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8
NO CEILING	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 20000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 18000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 16000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 14000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 12000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 10000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 9000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 8000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 7000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 6000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 5000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 4500	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 4000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3500	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2500	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1800	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1500	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1200	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1000	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 900	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 800	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 700	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 600	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 500	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 400	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 300	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 200	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 100	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 0	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

15136 (4-37)  
3  
725

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 77-1 STATION NAME ASHEVILLE, NC YEARS 1951-1952 MONTH 1  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS 1 D T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	4.7	4.3	54.3	54.2	54.7	4.2	44.3	44.3	4.7	44.3	54.2	54.3	4.7	44.3	4.7	4.7
≥ 20000	4.7	4.7	54.7	54.7	54.7	4.7	54.7	54.7	4.7	54.7	54.7	54.7	4.7	54.7	4.7	4.7
IV 18000	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 16000	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 14000	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 12000	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 10000	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 9000	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 8000	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 7000	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 6000	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 5000	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 4500	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 4000	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 3500	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 3000	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 2500	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 2000	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1800	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1600	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1400	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1200	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 1000	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 900	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 800	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 700	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 600	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 500	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 400	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 300	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 200	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 100	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 0	4.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
≥ 20000	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 18000	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 16000	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 14000	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 12000	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 10000	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 9000	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 8000	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 7000	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 6000	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 5000	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 4500	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 4000	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 3500	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 3000	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 2500	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 2000	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 1800	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 1500	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 1200	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 1000	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 900	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 800	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 700	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 600	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 500	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 400	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 300	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 200	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 100	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0
IV 0	77.7	70.0	75.0	70.0	71.7	76.0	77.0	71.0	71.0	70.0	76.0	71.0	75.0	76.0	75.0	71.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 3-16	≥ 1	≥ 0
NO CEILING	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 20000	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 18000	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 16000	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 14000	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 12000	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 10000	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 9000	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 8000	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 7000	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 6000	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 5000	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 4500	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 4000	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 3500	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 3000	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 2500	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 2000	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 1800	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 1500	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 1200	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 1000	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 900	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 800	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 700	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 600	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 500	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 400	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 300	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 200	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 100	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7
IV 0	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 20000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 9000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 8000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 7000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 6000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 5000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 900	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 700	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 600	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 400	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 300	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 100	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 1 2 3 4 5 6 7 8 9 10 11 12

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 20000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 18000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 16000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 14000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 12000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 10000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 9000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 7000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 6000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 5000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1800	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1200	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 900	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 800	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 700	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 600	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 400	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 300	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 200	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 100	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 20000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 18000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 16000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 14000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 12000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 10000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 9000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 8000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 7000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 6000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 5000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 4500	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 4000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 3500	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 3000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 2500	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 2000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1800	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1500	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1200	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 1000	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 900	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 800	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 700	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 600	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 500	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 400	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 300	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 200	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 100	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
IV 0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT, ANNEVILLE, MD

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 1, 2, 3

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRTY & CLEAN MET

SM IS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/5	≥ 1/10	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVJCEANMET SVOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-11

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 20000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 18000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 16000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 14000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 12000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 10000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 9000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 8000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 7000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 6000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 5000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 4500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 4000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 3500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 3000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 2500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 2000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1800	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1200	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 1000	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 900	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 800	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 700	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 600	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 500	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 400	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 300	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 200	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 100	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
IV 0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

11

DIRNAVOCEANMET SMOS

10 IN 4437  
125

3

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8
NO CEILING	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 20000	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
≥ 18000	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 16000	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 14000	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 12000	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 10000	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 9000	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 8000	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 7000	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 6000	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 5000	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 4500	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 4000	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 3500	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 3000	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 2500	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 2000	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 1800	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 1500	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 1200	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 1000	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 900	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 800	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 700	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 600	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 500	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 400	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 300	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 200	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 100	4.1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
IV 0	4.2	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION NAME: FALLS, NC STATION NAME: 77- YEARS: J L NORTH  
 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)  
 HOURS: 1-1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 20000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 18000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 16000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 14000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 12000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 10000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 6000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1800	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1200	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 900	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 800	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 700	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 600	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 400	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 300	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 200	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 100	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7

TOTAL NUMBER OF OBSERVATIONS 747

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	2.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 20000	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 18000	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 16000	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 14000	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 12000	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 10000	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 9000	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 8000	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 7000	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 6000	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 5000	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 4500	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 4000	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3500	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3000	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2500	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	5.1	10.1	37.5	54.7	77.5	87.5	94.7	97.5	98.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHLVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 1
NO CEILING	7.7	7.4	7.4	7.4	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 20000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000	7.4	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 9000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 8000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 7000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 6000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 5000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 900	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 700	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 600	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 400	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 300	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 100	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

1-4

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ANNEVILLE, MD

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS PER DAY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
≥ 20000	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 18000	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 16000	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 14000	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 12000	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 10000	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 9000	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 8000	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 7000	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 6000	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 5000	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 4500	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 4000	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 3500	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 3000	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 2500	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 2000	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 1800	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 1500	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 1200	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 1000	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 900	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 800	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 700	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 600	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 500	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 400	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 300	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 200	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 100	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
IV 0	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT A HEBBURN

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

HOURE 1.57

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IV 20000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 18000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 16000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 14000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 12000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 10000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 9000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 8000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 7000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 6000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 5000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 4500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 4000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 3500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 3000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 2500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 2000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 1800	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 1500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 1200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 1000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 900	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 800	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 700	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 600	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 400	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 300	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 100	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT AHERVILLE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT ASHKEWILLE NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 20000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 18000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 16000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 14000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 12000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 10000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 9000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 8000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 7000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 6000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 5000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 4500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 4000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 3500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 3000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 2500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 2000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 1800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 1500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 1200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 1000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 900	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 700	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 600	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 400	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 300	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 100	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
≥ 0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCANMET SMS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 20000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 9000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 8000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 7000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 6000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 5000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 900	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 700	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 600	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 400	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 300	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 100	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET 5405

NAVAL WEATHER SERVICE DETACHMENT, ARLINGTON

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING														
IV 20000														
IV 18000														
IV 16000														
IV 14000														
IV 12000														
IV 10000														
IV 9000														
IV 8000														
IV 7000														
IV 6000														
IV 5000														
IV 4500														
IV 4000														
IV 3500														
IV 3000														
IV 2500														
IV 2000														
IV 1800														
IV 1500														
IV 1200														
IV 1000														
IV 900														
IV 800														
IV 700														
IV 600														
IV 500														
IV 400														
IV 300														
IV 200														
IV 100														
IV 0														

TOTAL NUMBER OF OBSERVATIONS

DERIVED FROM MET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
≥ 20000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 9000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 8000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 7000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 6000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 5000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 900	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 700	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 600	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 400	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 300	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 100	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY OBSERVATIONS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 1
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7500															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE 11.5.7

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION 77-75, 77-2 STATION NAME 77-75, 77-2 YEARS 1 MONTH 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 20000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 9000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 8000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 7000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 6000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 5000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 900	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 700	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 600	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 400	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 300	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 100	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17  
HOURS L. S. T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
≥ 20000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 18000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 16000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 14000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 12000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 10000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 9000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 8000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 7000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 6000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 5000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 4500	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 4000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 3500	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 3000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 2500	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 2000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 1800	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 1500	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 1200	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 1000	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 900	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 800	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 700	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 600	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 500	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 400	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 300	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 200	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 100	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
IV 0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

72-75,77-78

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	78.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 20000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 18000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 16000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 14000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 12000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 10000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 9000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 8000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 7000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 6000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 5000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 4500	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 4000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 3500	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 3000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 2500	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 2000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 1800	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 1500	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 1200	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 1000	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 900	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 800	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 700	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 600	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 500	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 400	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 300	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 200	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 100	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
IV 0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

77-1, 77-32

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8
NO CEILING	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 20000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 18000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 16000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 14000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 12000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 10000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 9000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 8000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 7000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 6000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 2500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 2000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1800	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1200	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1000	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 900	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 800	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 700	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 600	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 500	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 400	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 300	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 200	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 100	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

72-70, 77-71

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0	≥ 0
NO CEILING	1.1	15.7	31.7	46.2	57.1	64.7	70.7	74.7	77.7	80.7	83.7	86.7	89.7	92.7	95.7
IV 20000	6.7	15.4	31.4	46.4	57.4	64.4	70.4	74.4	77.4	80.4	83.4	86.4	89.4	92.4	95.4
IV 18000	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 16000	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 14000	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 12000	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 10000	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 9000	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 8000	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 7000	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 6000	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 5000	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 4500	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 4000	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 3500	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 3000	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 2500	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 2000	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 1800	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 1500	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 1200	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 1000	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 900	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 800	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 700	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 600	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 500	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 400	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 300	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 200	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 100	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4
IV 0	7.4	19.4	33.4	47.4	58.4	65.4	71.4	75.4	78.4	81.4	84.4	87.4	90.4	93.4	96.4

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-11,77-1

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS, U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 0	≥ 0
NO CEILING	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 20000	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
18000	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
16000	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
14000	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
12000	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
10000	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
9000	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
8000	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
7000	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
6000	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
5000	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4500	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
4000	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
3500	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
3000	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2500	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2000	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
1800	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
1500	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
1200	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
1000	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
900	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
800	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
700	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
600	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
500	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
400	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
300	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
200	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
100	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
0	1.7	1.7	1.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS 1

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT NEW HAVEN, CT

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
≥ 20000	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 18000	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 16000	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 14000	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 12000	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 10000	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 9000	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 8000	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 7000	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 6000	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 5000	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 4500	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 4000	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 3500	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 3000	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 2500	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 2000	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 1800	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 1500	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 1200	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 1000	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 900	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 800	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 700	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 600	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 500	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 400	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 300	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 200	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 100	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01
IV 0	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 5705

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 25

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 1	≥ 0
NO CEILING	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 20000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 18000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 16000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 14000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 12000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 10000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 9000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 8000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 7000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 6000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 5000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4500	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 3500	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 3000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 2500	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 2000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 1800	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 1500	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 1200	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 1000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 900	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 800	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 700	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 600	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 500	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 400	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 300	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 200	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 100	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4

TOTAL NUMBER OF OBSERVATIONS

LOCAL CLIMATE



NAVAL WEATHER SERVICE DETACHMENT, AHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 1/8
NO CEILING														
IV 20000														
IV 18000														
IV 16000														
IV 14000														
IV 12000														
IV 10000														
IV 9000														
IV 8000														
IV 7000														
IV 6000														
IV 5000														
IV 4500														
IV 4000														
IV 3500														
IV 3000														
IV 2500														
IV 2000														
IV 1800														
IV 1500														
IV 1200														
IV 1000														
IV 900														
IV 800														
IV 700														
IV 600														
IV 500														
IV 400														
IV 300														
IV 200														
IV 100														
IV 0														

TOTAL NUMBER OF OBSERVATIONS

OFFICIAL CLASSET

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NUMBER

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 1 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 20000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
IV 18000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
IV 16000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
IV 14000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 12000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 10000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 9000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 8000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 7000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 6000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 5000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 4500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 4000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 3500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 3000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 2500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 2000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1000	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 900	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 800	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 700	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 600	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 500	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 400	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 300	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 200	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 100	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 20000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 9000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 8000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 7000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 6000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 5000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 900	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 700	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 600	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 400	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 300	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 100	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8
NO CEILING	1.7	1.1	1.1	1.3	1.1	1.1	1.7	1.1	1.7	1.1	1.1	1.1	1.1	1.1	1.7
IV 20000	2.4	1.7	1.7	1.7	1.7	3.1	2.7	1.1	2.7	2.3	1.7	1.7	1.7	1.7	2.4
IV 18000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 16000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 14000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 12000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 10000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 9000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 8000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 7000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 6000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 5000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 4500	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 4000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 3500	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 3000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 2500	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 2000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 1800	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 1500	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 1200	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 1000	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 900	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 800	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 700	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 600	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 500	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 400	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 300	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 200	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 100	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
IV 0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 20000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 18000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 16000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 14000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 12000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 10000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 9000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 8000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 7000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 6000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 5000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 4500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 4000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 3500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 3000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 2500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 2000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 1800	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 1500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 1200	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 1000	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 900	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 800	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 700	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 600	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 500	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 400	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 300	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 200	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 100	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
IV 0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

1810437  
325

3

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS L S T

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5-16	≥ ¼	≥ 0
NO CEILING ≥ 20000															
IV 18000 IV 16000															
IV 14000 IV 12000															
IV 10000 IV 9000															
IV 8000 IV 7500															
IV 6000 IV 5000															
IV 4500 IV 4000															
IV 3500 IV 3000															
IV 2500 IV 2000															
IV 1800 IV 1500															
IV 1200 IV 1000															
IV 900 IV 800															
IV 700 IV 600															
IV 500 IV 400															
IV 300 IV 200															
IV 100 IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

FALLING, NC

STATION NAME

71

YEARS

MONTH

HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ 1/8	≥ 0
NO CEILING															
≥ 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

73-

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS 11.5.7

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	1.0	13.7	57.7	11.7	11.7	12.7	11.7	11.7	11.7	11.1	11.1	11.1	1.4	13.4	17.4	1.0
≥ 20000	11.1	19.5	65.1	6.5	6.5	19.5	19.5	19.5	19.5	71.2	71.2	71.2	7.1	71.2	71.2	7.1
IV 18000	11.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 16000	11.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 14000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 12000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 10000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 9000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 8000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 7000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 6000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 5000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 4500	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 4000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 3500	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 3000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 2500	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 2000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 1800	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 1500	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 1200	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 1000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 900	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 800	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 700	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 600	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 500	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 400	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 300	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 200	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 100	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0
NO CEILING	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 20000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 18000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 16000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 14000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 12000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 10000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 9000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 8000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 6000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 5000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 4000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 3000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1800	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1200	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 1000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 900	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 800	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 700	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 600	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 500	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 400	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 300	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 200	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 100	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 20000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 18000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 16000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 14000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 9000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 8000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 7000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 6000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 5000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 4000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 3000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 2000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 1000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 900	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 800	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 700	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 600	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 500	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 400	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 300	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 200	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 100	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 0	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING															
IV 20000															
IV 18000															
IV 16000															
IV 14000															
IV 12000															
IV 10000															
IV 9000															
IV 8000															
IV 7000															
IV 6000															
IV 5000															
IV 4500															
IV 4000															
IV 3500															
IV 3000															
IV 2500															
IV 2000															
IV 1800															
IV 1500															
IV 1200															
IV 1000															
IV 900															
IV 800															
IV 700															
IV 600															
IV 500															
IV 400															
IV 300															
IV 200															
IV 100															
IV 0															

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, AGRIEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5 16	≥ 1	≥ 0
NO CEILING	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 20000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 18000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 16000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 14000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 12000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 10000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 9000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 8000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 7000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 6000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 5000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 4500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 4000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 3500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 3000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 2500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 2000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 1800	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 1500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 1200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 1000	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 900	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 800	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 700	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 600	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 500	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 400	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 300	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 200	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 100	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IV 0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
≥ 20000	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 18000	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 16000	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 14000	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 12000	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 10000	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 9000	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 8000	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 7000	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 6000	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 5000	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 4500	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 4000	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 3500	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 3000	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 2500	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 2000	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 1800	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 1500	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 1200	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 1000	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 900	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 800	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 700	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 600	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 500	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 400	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 300	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 200	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 100	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
IV IV 0	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET 5MDS

## CEILING VERSUS VISIBILITY

STATION

2

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 20000	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 18000	.	1	7	7	7	.	.	.	.	.	.	.	.	.	.	.
IV 16000	.	1	7	7	.	.	7	.	.	.	.	.	.	.	.	.
IV 14000	.	1	7	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 12000	.	7	7	7	7	7	7	7	7	.	.	.	.	.	.	.
IV 10000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 9000	.	1	.	.	.	.	1	.	.	.	.	.	.	.	.	.
IV 8000	.	.	.	.	7	.	7	.	.	7	.	.	.	.	.	.
IV 7000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 6000	7	7	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 5000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 4000	.	.	.	4	.	4	4	4	.	.	.	.	.	.	.	.
IV 3500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 3000	.	.	.	1	1	1	.	.	.	1	.	.	.	.	.	.
IV 2500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 2000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 1000	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.
IV 900	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.
IV 800	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.
IV 700	.	.	.	7	.	.	.	.	.	.	.	.	.	.	.	.
IV 600	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 400	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 300	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IV 0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

OFFICER IN CHARGE

NAVAL WEATHER SERVICE DETACHMENT, ARBENT, E. NC.

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

DIPNAVCEANMET SMDS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ ½	≥ 5 16	≥ .	≥ 0
NO CEILING																
≥ 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

12-

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	4.0	0.0	0.0	0.0	0.0	7.0	7.0	7.0	7.0	5.0	5.0	0.0	0.0	0.0	0.0	1.0
≥ 20000	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 18000	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 16000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 14000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 12000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 10000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 9000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 8000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 6000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 5000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 4500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 3500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMDS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 1	≥ 0
NO CEILING	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 20000	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 18000	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 16000	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 14000	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 12000	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 10000	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 9000	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 8000	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 7000	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 6000	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 5000	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 4500	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 4000	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 3500	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 3000	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 2500	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 2000	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1800	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1500	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1200	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 1000	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 900	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 800	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 700	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 600	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 500	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 400	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 300	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 200	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 100	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
IV 0	7.7	4.7	6.7	4.7	5.7	5.7	1.7	3.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 20000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 18000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 16000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 14000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 12000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 10000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 9000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 8000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 7000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 6000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 5000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 4500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 4000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 3500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 3000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 2500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 2000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1800	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1200	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 1000	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 900	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 800	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 700	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 600	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 500	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 400	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 300	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 200	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 100	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
≥ 0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MOUTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14  
HOURS 11.5 T

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 0
NO CEILING	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
≥ 20000	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 18000	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 16000	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 14000	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 12000	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 10000	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 9000	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 8000	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 7000	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 6000	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 5000	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 4500	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 4000	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 3500	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 3000	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 2500	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 2000	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 1800	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 1500	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 1200	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 1000	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 900	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 800	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 700	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 600	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 500	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 400	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 300	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 200	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 100	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4
IV 0	7.1	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4	57.4	7.4

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 11 5 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	71.1	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 20000	71.1	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 18000	71.1	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 16000	72.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 14000	74.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 12000	76.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 10000	79.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 9000	81.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 8000	83.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 7000	85.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 6000	87.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 5000	90.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 4500	92.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 4000	94.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 3500	96.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 3000	98.9	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1
IV 2500	100.1	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3	102.3
IV 2000	102.3	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5	104.5
IV 1800	104.5	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7	106.7
IV 1500	106.7	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9	108.9
IV 1200	108.9	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1	111.1
IV 1000	111.1	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3	113.3
IV 900	113.3	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5	115.5
IV 800	115.5	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7	117.7
IV 700	117.7	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9	119.9
IV 600	119.9	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1	122.1
IV 500	122.1	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3
IV 400	124.3	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5	126.5
IV 300	126.5	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7
IV 200	128.7	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9	130.9
IV 100	130.9	133.1	133.1	133.1	133.1	133.1	133.1	133.1	133.1	133.1	133.1	133.1	133.1	133.1	133.1	133.1
IV 0	133.1	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3	135.3

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANNET SMO5

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS U.S.T

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	¾	¾	≥ 5/16	≥ 0
NO CEILING	7.1	16.1	27.1	32.5	41.1	48.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	16.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 18000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 16000	77.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 14000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 12000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 10000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 9000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 8000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 7000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 6000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 5000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 4500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 4000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 3000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 2500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 2000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 1800	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 1500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 1200	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 1000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 900	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 800	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 700	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 600	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 500	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 400	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 300	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 200	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 100	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. 85 1-57

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5-16	≥ 1	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET SMOS



NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AL  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING																
IV 20000																
IV 18000																
IV 16000																
IV 14000																
IV 12000																
IV 10000																
IV 9000																
IV 8000																
IV 7000																
IV 6000																
IV 5000																
IV 4500																
IV 4000																
IV 3500																
IV 3000																
IV 2500																
IV 2000																
IV 1800																
IV 1500																
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500																
IV 400																
IV 300																
IV 200																
IV 100																
IV 0																

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCANMET SMOS



# SKY COVER

STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
		11.1			22.2						22.2	11.1	11.1	
		11.1			22.2						22.2	11.1	11.1	
	1	11.1			22.2						22.2	11.1	11.1	
	2	11.1			22.2						22.2	11.1	11.1	
	3	11.1			22.2						22.2	11.1	11.1	
	4	11.1			22.2						22.2	11.1	11.1	
	5	11.1			22.2						22.2	11.1	11.1	
	6	11.1			22.2						22.2	11.1	11.1	
	7	11.1			22.2						22.2	11.1	11.1	
	8	11.1			22.2						22.2	11.1	11.1	
	9	11.1			22.2						22.2	11.1	11.1	
	10	11.1			22.2						22.2	11.1	11.1	
	11	11.1			22.2						22.2	11.1	11.1	
	12	11.1			22.2						22.2	11.1	11.1	
	13	11.1			22.2						22.2	11.1	11.1	
	14	11.1			22.2						22.2	11.1	11.1	
	15	11.1			22.2						22.2	11.1	11.1	
	16	11.1			22.2						22.2	11.1	11.1	
	17	11.1			22.2						22.2	11.1	11.1	
	18	11.1			22.2						22.2	11.1	11.1	
	19	11.1			22.2						22.2	11.1	11.1	
	20	11.1			22.2						22.2	11.1	11.1	
	21	11.1			22.2						22.2	11.1	11.1	
	22	11.1			22.2						22.2	11.1	11.1	
	23	11.1			22.2						22.2	11.1	11.1	
	24	11.1			22.2						22.2	11.1	11.1	
	25	11.1			22.2						22.2	11.1	11.1	
	26	11.1			22.2						22.2	11.1	11.1	
	27	11.1			22.2						22.2	11.1	11.1	
	28	11.1			22.2						22.2	11.1	11.1	
	29	11.1			22.2						22.2	11.1	11.1	
	30	11.1			22.2						22.2	11.1	11.1	
	31	11.1			22.2						22.2	11.1	11.1	
	32	11.1			22.2						22.2	11.1	11.1	
	33	11.1			22.2						22.2	11.1	11.1	
	34	11.1			22.2						22.2	11.1	11.1	
	35	11.1			22.2						22.2	11.1	11.1	
	36	11.1			22.2						22.2	11.1	11.1	
	37	11.1			22.2						22.2	11.1	11.1	
	38	11.1			22.2						22.2	11.1	11.1	
	39	11.1			22.2						22.2	11.1	11.1	
	40	11.1			22.2						22.2	11.1	11.1	
	41	11.1			22.2						22.2	11.1	11.1	
	42	11.1			22.2						22.2	11.1	11.1	
	43	11.1			22.2						22.2	11.1	11.1	
	44	11.1			22.2						22.2	11.1	11.1	
	45	11.1			22.2						22.2	11.1	11.1	
	46	11.1			22.2						22.2	11.1	11.1	
	47	11.1			22.2						22.2	11.1	11.1	
	48	11.1			22.2						22.2	11.1	11.1	
	49	11.1			22.2						22.2	11.1	11.1	
	50	11.1			22.2						22.2	11.1	11.1	
	51	11.1			22.2						22.2	11.1	11.1	
	52	11.1			22.2						22.2	11.1	11.1	
	53	11.1			22.2						22.2	11.1	11.1	
	54	11.1			22.2						22.2	11.1	11.1	
	55	11.1			22.2						22.2	11.1	11.1	
	56	11.1			22.2						22.2	11.1	11.1	
	57	11.1			22.2						22.2	11.1	11.1	
	58	11.1			22.2						22.2	11.1	11.1	
	59	11.1			22.2						22.2	11.1	11.1	
	60	11.1			22.2						22.2	11.1	11.1	
	61	11.1			22.2						22.2	11.1	11.1	
	62	11.1			22.2						22.2	11.1	11.1	
	63	11.1			22.2						22.2	11.1	11.1	
	64	11.1			22.2						22.2	11.1	11.1	
	65	11.1			22.2						22.2	11.1	11.1	
	66	11.1			22.2						22.2	11.1	11.1	
	67	11.1			22.2						22.2	11.1	11.1	
	68	11.1			22.2						22.2	11.1	11.1	
	69	11.1			22.2						22.2	11.1	11.1	
	70	11.1			22.2						22.2	11.1	11.1	
	71	11.1			22.2						22.2	11.1	11.1	
	72	11.1			22.2						22.2	11.1	11.1	
	73	11.1			22.2						22.2	11.1	11.1	
	74	11.1			22.2						22.2	11.1	11.1	
	75	11.1			22.2						22.2	11.1	11.1	
	76	11.1			22.2						22.2	11.1	11.1	
	77	11.1			22.2						22.2	11.1	11.1	
	78	11.1			22.2						22.2	11.1	11.1	
	79	11.1			22.2						22.2	11.1	11.1	
	80	11.1			22.2						22.2	11.1	11.1	
	81	11.1			22.2						22.2	11.1	11.1	
	82	11.1			22.2						22.2	11.1	11.1	
	83	11.1			22.2						22.2	11.1	11.1	
	84	11.1			22.2						22.2	11.1	11.1	
	85	11.1			22.2						22.2	11.1	11.1	
	86	11.1			22.2						22.2	11.1	11.1	
	87	11.1			22.2						22.2	11.1	11.1	
	88	11.1			22.2						22.2	11.1	11.1	
	89	11.1			22.2						22.2	11.1	11.1	
	90	11.1			22.2						22.2	11.1	11.1	
	91	11.1			22.2						22.2	11.1	11.1	
	92	11.1			22.2						22.2	11.1	11.1	
	93	11.1			22.2						22.2	11.1	11.1	
	94	11.1			22.2						22.2	11.1	11.1	
	95	11.1			22.2						22.2	11.1	11.1	
	96	11.1			22.2						22.2	11.1	11.1	
	97	11.1			22.2						22.2	11.1	11.1	
	98	11.1			22.2						22.2	11.1	11.1	
	99	11.1			22.2						22.2	11.1	11.1	
	100	11.1			22.2						22.2	11.1	11.1	
	TOTALS	11.1			22.2						22.2	11.1	11.1	100

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

NAVWEASERVCOM

**NORTH**

[illegible]

NAVWEASERVCOM

## SKY COVER

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

NAVWEASERVCOM

STATION

STATION NAME

PERIOD

**NORTH**

[illegible]

NAVWEASERVCOM

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	22													
	21													
	20	51.7			53.2						11.6	4.6	7.4	1
	19	41.9			31.9						11.6	3.2	7.5	1
	18	21.1			53.5						11.5	2.6	7.3	1
	17	22.1			51.6						11.6	7.7	7.9	1
	16	27.7			47.6						22.6	6.	4.2	31
	15	41.7			51.1						14.	5.7	7.8	1
TOTALS		211.			411.						151.	51.	11.2	114

NAYWEASERVCC M



MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
	20	4 .6			35 .7						17 .1	1 .6	2 .8	3
	11	. 2			10 .7						12 .7	5 .	1 .	3
	17	3 .			41 .6						14 .1	7 .6	7 .6	3
	1	1 .2			1 .						23 .1	12 .1	4 .5	3
	1	1 .2			40 .1						. 2	12 .	4 .3	
	22	41 .9			21 .1						13 .1	2 .7	7 .2	3-4
TOTALS		1 .2			31 .6						14 .2	9 .1	3 .5	1770

**MONTH**

[illegible]

NAVWEASERVCOM

## SKY COVER

STATION

FALLS, VA

STATION NAME

7-1-55

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
		31.7			1.5						27.3	14.5	4.5	7
	16	2.0			3.0						21.0	17.1	4.7	3
	17	24.0			17.6						12.3	14.4	4.6	3
	18	24.0			3.1						27.6	17.4	4.9	3
	19	35.7			13.4						17.7	14.1	3.9	3
	22	47.0			24.7						17.1	14.1	3.3	3
TOTALS		10.4			13.6						20.1	14.1	4.2	15

NAVWEASERVCOM

## SKY COVER

STATION 2 FILL A, N STATION NAME 13-6 PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
	01													
	02													
	03	11.1			23.2						31.0	23.4	4.2	
	04	11.1			23.4						23.4	26.2	4.3	
	05	11.1			23.6						31.0	24.7	4.6	
	06	10.0			21.1						23.4	20.6	4.5	
	07	23.4			21.3						21.3	23.6	4.5	
	08	31.0			23.7						23.7	23.0	4.1	17
	09													
	10													
	11													
	12													
TOTALS		11.1			21.3						23.0	23.6	4.5	17

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN														
FEB														
MAR	61	17.6			37.5						27.1	26.7	4.9	271
APR	1	17.7			30.7						24.3	27.7	5.5	10
MAY	1	17.1			35.1						31.2	27.1	6.4	349
JUN	1	16.1			32.4						27.1	29.1	6.5	111
JUL	1	25.2			37.1						27.7	26.7	5.5	277
AUG	52	25.4			31.3						22.6	22.6	5.1	271
SEPT														
OCT														
NOV														
DEC														
TOTALS		17.7			32.0						26.7	26.7	5.9	1615

NAVWEASERVCOM

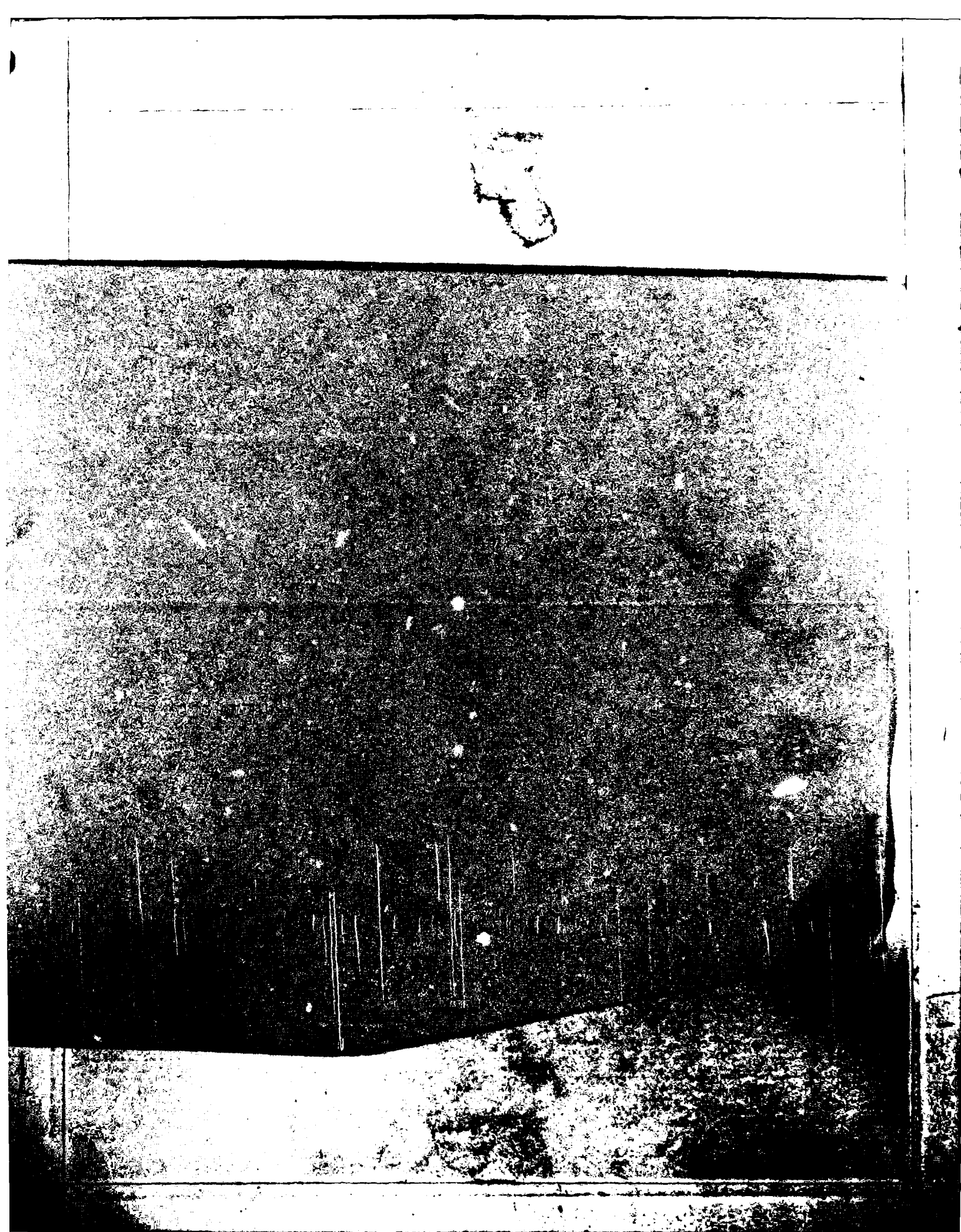
## SKY COVER

STATION 02 011 N. 1 STATION NAME 1-1 PERIOD 11 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
	ALL	11.7			37.0						20.8	35.7	1.7	171
		1.7			24.7						27.8	37.8	7.0	171
		6.7			30.3						20.8	32.0	1.7	171
		14.7			30.7						21.2	26.2	1.1	171
		1.7			35.7						27.8	19.0	1.6	171
		21.7			40.0						10.7	11.7	4.3	171
		7.7			41.0						15.7	5.7	7.2	171
		7.7			34.5						16.2	5.1	7.5	171
		4.7			31.3						16.0	7.0	7.1	171
		12.4			37.7						10.7	14.2	4.7	171
		1.7			30.3						20.8	25.6	1.0	171
		17.7			30.0						26.7	26.7	1.9	171
TOTALS		22.0			32.7						23.1	20.5	1.2	2111

NAVWEASERVCOM



## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperature
  - b. Daily minimum temperature
  - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.



- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma x$ ). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry-bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

# DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1							1.	5					6
2						3.4	12.4	17.7					33.5
3				.1	.4	12.4	44.7	73.1	4.2				100.0
4						72.5	76.4	67.9	73.1				100.0
5				1.2	16.1	52.6	91.9	92.6	44.5	3.2			100.0
6			.4	7.6	35.4	70.4	77.4	92.6	65.9	18.2	.1		100.0
7		.1	4.7	18.3	64.4	72.5	98.7	91.3	76.7	74.4	1.3		100.0
8		2.4	9.4	33.9	71.6	92.6	99.5	98.6	88.3	35.3	5.7		100.0
9		3.6	25.8	61.1	92.7	96.5	100.0	100.0	93.1	70.1	1.5		100.0
10		.1	11.3	41.4	67.2	93.3	99.7		70.1	32.2	34.7	9.9	100.0
11		1.6	41.4	61.7	81.2	96.6	99.7		49.7	62.7	54.7	21.8	100.0
12		2.4	62.4	73.2	81.6	96.3	100.0		100.0	72.6	40.3	40.3	100.0
13	4	56.1	8.2	81.5	77.2	100.0				3.6	37.1	41.1	100.0
14	7	7.7	61.7	97.3	99.6					34.5	65.9	77.4	100.0
15	8	57.7	7.7	99.7	100.0					99.9	98.7	98.3	100.0
16	14.7	99.4	100.0							100.0	99.5	91.4	100.0
17	7.2	99.9									100.0	100.0	100.0
18	9.6	100.0										100.0	100.0
19	8.7											100.0	100.0
20												100.0	100.0
21												100.0	100.0
22												100.0	100.0
23												100.0	100.0
24												100.0	100.0
25												100.0	100.0
26												100.0	100.0
27												100.0	100.0
28												100.0	100.0
29												100.0	100.0
30												100.0	100.0
31												100.0	100.0
MEAN	6.1	6.1	6.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
S.D.	1.7	1.7	1.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
TOTAL OBS.	71	71	71	71	71	71	71	71	71	71	71	71	71

NAVWEASERVCOM

# DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1													
2						1.7	14.7	18.4					
3						12.3	44.5	73.4	1.7				
4						71.1	73.1	85.4	44.7	1.1	1.3		
5		1.3	2.4	10.1	1.7	21.7	36.1	37.4	7.9	1.1	1.3		
6		3.7	7.7	22.6	3.4	35.7	52.7	69.2	26.6	41.4	3.7	1.7	
7		15.7	25.4	55.7	42.4	1.0	136.7	69.7	53.2	13.7	72.7	6.7	
8		33.3	54.1	8.3	27.4			1.0	71.6	14.3	44.7	17.3	
9		40.4	61.7	25.6	19.3				39.7	35.7	64.7	26.4	
10		53.7	84.3	42.6	113.7				71.7	6.7	85.7	51.7	
11	71.7	84.7	18.4	1.0					80.9	27.7	77.8	7.3	
12		9.3	19.7							1.0	9.7	1.3	
13		19.5	10.7								1.0	7.3	
14		3.7										1.1	
15												1.8	
16												6.7	
17													10.7
18													
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99													
100													
MEAN													
S D													
TOTAL OBS													

NAVWEASERVCOM

AD 0180 401

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)  
FALLON NEVADA (U) NAVAL OCEANOGRAPHY COMMAND DETACHMENT  
ASHEVILLE NC AUG 84

4/4

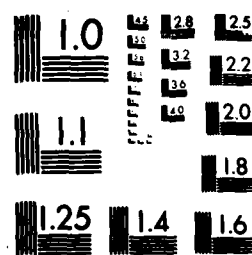
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

# DAILY TEMPERATURES

STATION 1 2

FALLON, NV

STATION NAME

57-87

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

1 4 1

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
75						.3	3.6	1.1					.4
76						4.7	24.9	18.3	.3				4.0
77					1.1	22.1	64.1	52.0	8.7				17.3
78				.1	9.9	47.9	89.6	78.8	32.2	1.9			21.5
79				2.8	31.3	72.4	98.0	93.1	58.0	7.8			27.8
80		.1	.9	14.5	55.8	87.8	99.6	97.8	77.6	27.1	.5	.1	37.0
81	.3	2.2	8.9	31.9	74.5	95.8	100.0	100.0	70.8	48.9	3.9	.4	45.7
82	2.5	8.6	22.7	54.2	88.6	99.2			96.5	70.6	16.0	3.1	54.5
83	10.1	25.8	47.4	75.9	96.6	100.0			99.2	88.0	40.3	11.1	65.6
84	25.2	53.1	72.4	92.5	99.1				100.0	95.6	65.1	27.5	77.1
85	47.8	76.5	90.4	98.8	99.9					99.1	83.4	50.5	86.8
86	67.4	92.1	98.3	99.9	100.0					99.7	93.4	72.0	93.5
87	84.4	98.2	99.9	100.0						99.9	98.5	38.6	97.4
88	91.9	99.6								100.0	100.0	95.9	95.9
89	96.4	99.9	100.0									97.8	99.5
90	98.4	100.0										98.7	99.7
91	99.7											99.2	99.9
92	100.0											99.7	100.0
93												100.0	100.0
94													
95													
96													
97													
98													
99													
100													
MEAN	57.8	57.8	44.1	20.5	59.0	64.5	76.0	74.0	65.1	53.8	42.0	34.2	53.4
S. D.	4.277	7.215	7.180	7.635	7.919	7.217	5.048	5.976	7.481	8.113	7.553	8.307	16.408
TOTAL OBS.	771	685	774	722	756	707	740	742	664	741	737	774	8212

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

172 FALL N. N. 1959-1982 JANUARY  
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C		
1	27.1	-2.3	40.0	4.4	56	13.3	1981*	15.7	-9.1	-5	-20.6	1975	
2	26.5	-3.1	38.1	3.4	52	14.4	1981	14.3	-9.6	-3	-19.4	1975	
3	27.0	-2.8	39.7	3.9	67	15.6	1962	15.7	-9.4	-3	-19.4	1975	
4	26.1	-2.2	40.7	4.8	54	12.2	1981*	15.4	-9.2	-7	-21.7	1972	
5	26.3	-1.5	42.2	5.7	58	14.4	1965	16.4	-8.7	-4	-20.0	1971	
6	25.1	-0.9	44.2	6.8	62	16.7	1969	16.9	-8.4	-9	-22.8	1982	
7	25.8	-1.2	43.4	6.3	62	20.0	1969	16.2	-8.8	-17	-27.2	1982	
8	21.3	-0.4	43.6	6.4	61	16.1	1966	18.5	-7.5	-14	-25.6	1982	
9	22.5	.3	45.1	7.7	61	16.1	1963*	19.8	-6.8	-5	-22.2	1982	
10	22.2	.1	44.1	6.7	63	17.2	1971	20.3	-6.5	-7	-21.7	1982	
11	21.4	-0.3	43.1	6.2	62	16.7	1959	19.6	-6.9	-6	-21.1	1982	
12	25.5	1.2	46.2	7.9	64	17.8	1980	22.2	-5.4	-11	-23.9	1963	
13	23.1	1.1	46.3	7.8	62	16.7	1980	21.9	-5.7	-11	-23.9	1963	
14	24.7	1.5	46.6	8.1	53	14.4	1980*	22.7	-5.2	0	-17.8	1982*	
15	25.1	2.2	45.8	9.3	62	19.4	1974	23.7	-5.0	-5	-20.6	1982	
16	25.1	2.1	45.2	9.3	59	15.0	1974	23.3	-4.8	2	-16.7	1982	
17	25.1	2.2	49.2	9.6	61	16.1	1971*	22.8	-5.1	7	-13.9	1982	
18	25.1	2.3	47.6	8.7	72	22.2	1971	24.5	-4.2	11	-11.7	1966	
19	26.1	2.2	49.3	9.1	70	21.1	1971	23.7	-4.6	-2	-18.9	1963	
20	25.1	1.7	47.6	8.7	61	16.1	1971	22.4	-5.3	2	-16.7	1963	
21	24.2	1.2	45.8	7.7	63	17.2	1970	22.6	-5.2	4	-15.6	1962	
22	23.1	.6	45.4	7.4	63	17.2	1981	20.9	-6.2	-7	-21.7	1962	
23	23.1	1.0	46.9	8.3	67	19.4	1970	20.6	-6.3	-10	-23.3	1962	
24	24.3	1.3	46.7	8.2	64	17.8	1975	21.9	-5.6	-5	-20.6	1962	
25	25.5	1.9	48.2	9.3	60	20.6	1975	22.8	-5.1	5	-15.0	1973	
26	25.3	1.8	47.6	8.7	60	15.6	1980*	23.1	-4.9	7	-13.9	1973	
27	23.1	1.3	45.7	7.4	60	15.6	1971	21.8	-5.7	1	-17.2	1973	
28	23.5	.8	45.7	7.4	59	15.0	1960	21.3	-5.9	5	-15.0	1973	
29	24.5	1.4	47.2	8.4	64	17.8	1958	21.8	-5.7	6	-14.4	1980	
30	24.5	1.4	46.8	8.2	64	17.8	1965	22.2	-5.4	4	-15.6	1980	
31	25.2	1.8	47.8	8.8	60	18.3	1965	22.5	-5.3	8	-13.3	1980	
Monthly	23.0	.6	45.4	7.4	72	22.2	1971	20.6	-6.3	-17	-27.2	1982	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION 102 STATION NAME C L L N, N. YEARS 1958-1982 MONTH FEBRUARY

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	35.2	1.8	46.7	8.2	62	16.7	1971	23.6	-4.7	11	-11.7	1968
2	35.4	1.9	47.4	8.6	67	15.6	1958	23.3	-4.8	5	-15.0	1972
3	35.4	2.4	47.5	9.7	66	18.9	1978*	22.7	-5.2	1	-17.2	1979
4	37.7	3.2	51.4	12.3	73	22.9	1963	24.7	-4.4	14	-10.0	1977*
5	37.8	3.2	48.4	9.7	61	16.1	1965	26.2	-3.2	12	-11.1	1982
6	37.8	2.9	49.5	9.7	61	16.1	1977	24.7	-4.1	12	-11.1	1964
7	37.8	3.7	51.4	10.8	62	16.7	1963*	26.7	-3.3	11	-11.7	1964
8	37.8	3.5	51.2	10.7	61	16.1	1963	25.2	-3.8	14	-13.0	1964
9	37.8	4.3	51.2	10.7	64	17.8	1961	28.2	-2.1	12	-11.1	1959
10	37.8	4.5	51.5	10.8	71	21.7	1971	28.8	-1.8	12	-11.1	1965
11	37.8	3.9	51.4	12.2	65	18.3	1971*	26.9	-2.8	13	-10.6	1965
12	37.8	4.4	52.9	11.6	65	20.7	1971	27.3	-2.6	14	-10.0	1965
13	37.8	4.6	52.9	11.4	73	22.3	1971	28.7	-2.2	12	-11.1	1966
14	37.8	4.3	52.9	12.5	71	21.7	1971	28.6	-1.9	14	-10.0	1964
15	37.8	5.1	53.0	11.7	66	18.9	1981*	28.9	-1.7	18	-7.8	1965
16	40.7	4.9	52.8	11.6	74	23.3	1981	28.7	-1.8	15	-9.4	1966
17	40.7	5.1	54.5	12.5	66	18.9	1981*	28.7	-2.2	13	-10.6	1966
18	40.7	5.1	54.6	12.6	73	22.3	1981	28.7	-2.2	17	-8.3	1964
19	40.7	5.2	53.9	12.1	75	23.9	1981	29.7	-1.7	16	-8.9	197
20	40.7	4.4	53.5	11.9	77	25.7	1982	26.4	-3.1	12	-11.1	1967
21	40.7	5.1	55.1	12.8	79	26.1	1982	27.2	-2.7	15	-9.4	1967
22	40.5	4.7	53.0	11.7	67	19.4	1959	28.7	-2.2	16	-8.9	1975*
23	40.7	4.3	53.5	11.9	75	21.1	1981	25.9	-3.4	13	-13.6	1960
24	40.7	4.5	54.4	12.4	67	19.4	1971	25.8	-3.4	12	-11.1	1977*
25	40.7	4.9	53.1	11.7	65	20.6	1963	25.4	-2.0	17	-8.3	1964*
26	40.5	4.7	54.2	12.3	65	20.2	1965	26.8	-2.9	6	-14.4	1962
27	40.5	4.9	55.6	13.1	71	21.7	1980	26.2	-3.2	5	-15.0	1962
28	42.5	5.9	57.7	13.9	69	20.6	1972	28.3	-2.1	13	-10.6	1971
29	40.5	4.9	52.9	11.6	64	17.8	1968	28.8	-1.8	14	-10.0	1967
30												
31												
Monthly	37.8	4.2	52.3	11.3	73	26.1	1982	26.3	-2.9	1	-17.2	1979

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

102 FALL N, N 1958-1982 MARC  
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C	
1	51.2	5.1	54.3	12.4	71	21.7	1967		28.1	-2.2	5	-14.4	1971
2	50.7	3.9	55.9	10.5	65	18.3	1972*		27.2	-2.7	11	-11.7	1971*
3	50.2	4.0	51.3	10.7	65	18.3	1972*		27.2	-2.7	15	-9.4	1965
4	50.2	4.2	52.4	11.3	67	19.4	1972*		26.9	-2.8	16	-8.9	1965
5	41.7	5.5	55.3	12.9	75	23.9	1972		28.5	-1.9	13	-10.6	1977
6	52.4	5.8	55.0	12.9	75	23.9	1972		29.9	-1.2	15	-7.8	1962
7	52.3	6.3	56.4	13.6	72	22.2	1979		30.1	-1.1	20	-6.7	1964
8	53.4	6.3	57.1	13.9	75	23.9	1972		29.8	-1.2	13	-10.6	1964
9	53.5	6.4	56.8	13.8	82	27.8	1972		30.2	-1.0	22	-5.6	1962
10	52.5	5.8	55.7	13.2	72	22.2	1972		29.2	-1.6	16	-8.9	1977
11	52.5	5.8	55.7	12.9	72	22.2	1979		29.9	-1.2	12	-11.1	1977
12	53.4	6.3	55.9	13.3	71	21.7	1971		30.9	-0.6	23	-5.0	1976
13	52.4	5.8	55.1	12.8	69	20.6	1982*		29.6	-1.3	16	-8.9	1977*
14	43.0	6.4	57.3	14.1	72	22.2	1979		30.0	-1.1	10	-12.2	1977
15	53.5	6.4	58.0	14.4	69	20.6	1974*		29.1	-1.6	20	-6.7	1959
16	54.2	6.8	57.7	14.3	71	21.7	1974*		30.6	-0.8	21	-6.1	1964
17	53.7	6.6	56.8	13.8	76	24.4	1972		31.0	-0.6	19	-7.2	1966
18	52.4	5.8	56.1	13.4	70	21.1	1979*		28.8	-1.8	17	-8.3	1971
19	53.5	6.4	58.6	14.7	72	22.2	1978*		28.4	-2.0	15	-7.8	1970*
20	44.7	7.1	59.5	15.3	77	25.0	1960		29.9	-1.2	10	-7.2	1966
21	44.7	8.2	61.2	16.2	77	25.0	1960		32.2	.1	23	-5.0	1968
22	46.7	8.3	61.5	16.4	79	26.1	1971		32.4	.2	20	-6.7	1964
23	47.5	7.5	59.3	15.2	77	25.0	1960		31.8	-0.1	19	-7.2	1966
24	45.2	7.3	60.7	15.6	76	24.4	1960		30.4	-0.9	22	-5.6	1963
25	46.0	7.8	60.2	15.7	78	25.6	1960		31.8	-0.1	21	-6.1	1960
26	46.6	8.1	59.9	15.5	75	23.9	1978		33.2	.7	16	-8.9	1977
27	45.4	9.0	59.5	15.3	75	23.9	1978		33.2	.7	19	-7.2	1972
28	44.7	7.2	58.8	14.9	78	25.6	1978		31.0	-0.6	14	-10.0	1977*
29	46.1	7.8	61.8	16.6	80	26.7	1971		30.4	-0.9	10	-12.2	1977
30	47.7	8.7	62.0	16.7	79	26.1	1966		33.4	.8	16	-9.9	1977
31	47.4	9.6	61.6	16.4	80	26.7	1966		32.8	.4	17	-7.8	1977
Monthly	43.7	6.6	57.5	14.2	82	27.8	1972		30.2	-1.0	6	-14.4	1971

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

72 TALLON, N7 1958-1982 APRIL  
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	44.3	7.1	57.4	14.1	89	29.4	1966	32.5	.3	2	-6.7	1971
2	47.3	7.3	58.6	14.8	87	26.7	1961	31.9	-1.1	19	-7.2	1976*
3	47.5	9.2	43.3	17.4	89	31.1	1965	33.2	.7	19	-7.2	1977
4	47.3	9.6	64.8	18.2	87	26.7	1963*	33.2	.7	23	-5.0	1970
5	47.5	10.9	56.4	19.1	82	27.8	1971	35.7	2.1	23	-2.2	1978*
6	47.5	10.0	61.7	16.5	82	27.8	1963	37.5	3.1	26	-3.3	1964
7	47.5	8.4	59.8	15.4	83	25.3	1977	34.5	1.4	23	-5.0	1972
8	47.4	9.7	64.6	18.1	82	27.8	1977	33.4	.8	25	-3.9	1973*
9	47.0	10.0	64.6	18.1	80	26.7	1967	35.0	1.7	27	-2.8	1982*
10	47.0	10.0	63.9	17.7	80	26.7	1968	35.7	2.1	24	-4.4	1977
11	47.5	9.7	53.7	17.4	78	25.6	1959	35.0	1.7	23	-5.7	1963
12	47.5	9.7	55.3	18.5	79	26.1	1962	33.8	1.0	23	-5.0	1972
13	47.1	10.1	46.0	18.9	85	29.4	1962	34.3	1.3	18	-7.8	1972
14	47.5	10.8	66.9	19.4	85	29.4	1962	35.8	2.1	18	-7.8	1972
15	47.2	10.7	65.6	18.7	80	26.7	1981*	36.0	2.2	25	-3.9	1977
16	47.5	9.9	64.6	18.1	84	28.9	1977	34.4	1.3	22	-5.6	1963
17	47.7	10.1	45.1	18.4	85	29.4	1980	34.9	1.6	19	-7.2	1963
18	47.5	9.2	61.6	16.4	86	30.0	1980	35.2	1.8	25	-3.9	1972*
19	47.5	9.4	62.0	16.7	87	30.6	1980	35.4	1.9	19	-7.2	1972
20	47.5	9.6	64.0	17.8	81	27.2	1980	34.4	1.3	22	-5.6	1967
21	47.5	9.5	64.1	17.8	83	28.3	1969	35.8	2.1	24	-4.4	1968
22	47.4	9.8	65.4	18.6	82	27.8	1977	34.1	1.2	23	-5.0	1963
23	47.1	10.6	66.4	19.1	86	30.0	1981	35.3	1.8	24	-4.4	1963*
24	47.1	10.7	64.2	17.9	86	30.0	1977	38.4	3.6	23	-5.0	1964
25	47.1	10.6	64.2	17.9	83	28.3	1977	37.5	3.1	28	-2.2	1969
26	47.0	10.6	63.8	17.7	82	27.8	1973	37.6	3.1	25	-3.9	1975
27	47.6	11.4	67.4	19.7	83	28.3	1980	37.8	3.2	25	-3.9	1966
28	47.1	12.4	69.4	20.8	82	27.8	1965	39.3	4.1	28	-2.2	1970*
29	47.5	12.5	69.5	21.0	83	31.1	1981	39.3	4.1	27	-2.8	1975*
30	47.5	13.2	72.4	22.4	96	35.6	1981	39.2	4.0	25	-3.9	1972
31												
Monthly	47.3	10.1	64.6	18.1	96	35.6	1981	35.6	2.0	18	-7.8	1972

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION 112 FALLON, N. YEARS 1958-1982 MONTH MAY

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	50.0	13.3	72.0	22.2	91	32.7	1981		47.0	4.4	27	-2.3	1972	
2	50.0	13.3	71.7	22.1	86	30.7	1966		41.3	5.2	27	-2.8	1964	
3	50.0	13.3	72.2	22.3	88	31.1	1966		41.8	5.4	27	-2.8	1964	
4	50.0	13.3	71.4	21.3	86	30.0	1966		42.8	6.0	31	-0.6	1975	
5	50.0	13.3	68.8	20.4	86	30.0	1966		41.7	5.4	27	-2.8	1975	
6	40.0	12.3	67.5	19.7	82	27.8	1974		40.8	4.9	23	-5.0	1964	
7	50.0	13.3	71.4	21.3	85	29.4	1974		41.7	5.4	32	.0	1981*	
8	50.0	14.7	73.6	23.1	86	30.0	1969		43.5	6.4	34	1.1	1965	
9	50.0	14.6	72.6	22.6	85	29.4	1969*		43.9	6.6	34	1.1	1977	
10	50.0	14.7	72.5	22.5	88	31.1	1967		44.4	6.9	32	.0	1979	
11	50.0	13.2	70.1	21.2	90	32.2	1960		41.5	5.3	32	.0	1982	
12	57.0	13.9	72.6	22.6	92	33.3	1959		41.4	5.2	32	.0	1967	
13	50.0	15.2	75.4	24.1	91	32.8	1976		43.2	6.2	31	-0.6	1967*	
14	50.0	15.7	74.6	23.7	89	31.7	1979		45.8	7.7	33	.6	1968	
15	50.0	15.6	76.3	24.6	89	31.7	1971		43.7	6.5	35	1.7	1959	
16	50.0	15.4	76.3	24.6	92	33.3	1970		43.0	6.1	32	.0	1959	
17	1.1	16.2	76.4	24.7	89	31.7	1967		45.5	7.5	33	.6	1977*	
18	1.0	16.4	77.0	25.1	92	33.3	1958		45.3	7.4	32	.0	1974	
19	1.0	16.3	76.5	24.7	92	33.3	1964		45.8	7.7	31	-0.6	1967	
20	1.0	16.3	76.4	24.7	93	33.3	1980		45.6	7.6	34	1.1	1975	
21	60.0	16.1	75.0	23.9	93	33.3	1979		46.2	7.9	33	.6	1962	
22	61.0	16.6	76.3	24.6	95	35.0	1967		47.2	8.4	30	-1.1	1967	
23	50.0	16.0	74.6	23.7	93	33.3	1967		46.9	8.3	35	1.7	1960	
24	1.1	16.2	75.5	24.2	88	31.1	1967		46.8	8.2	36	2.2	1968*	
25	62.0	16.8	77.3	25.2	92	33.3	1958		47.2	8.4	34	1.1	1975	
26	63.3	17.4	79.4	25.8	95	35.0	1979		48.2	9.0	36	2.2	1980	
27	62.6	17.0	77.0	25.2	91	32.2	1979		48.1	8.9	38	7.3	1961	
28	62.6	17.0	76.2	25.7	91	32.0	1968		46.9	8.3	35	1.7	1982	
29	63.3	17.4	78.5	25.8	91	32.0	1981		48.0	8.9	41	5.0	1979*	
30	63.4	17.4	78.5	25.9	90	32.2	1972		48.5	9.2	37	2.8	1979	
31	63.1	17.3	77.9	25.5	90	32.0	1977		48.2	9.0	36	2.2	1967	
Monthly	57.6	15.3	74.5	23.6	90	35.0	1979*		44.7	7.1	23	-5.0	1964	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

102 FALLON, NV 1957-1982 JUNE  
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	64.3	17.9	79.7	26.5	93	33.9	1981	48.5	9.2	40	4.4	1967*
2	64.4	18.2	80.2	26.8	94	34.4	1977	49.2	9.6	37	2.8	1966
3	64.7	18.2	80.2	26.8	95	35.7	1967	49.2	9.6	37	2.8	1981
4	65.7	18.7	81.0	27.2	95	35.7	1979*	50.8	10.4	37	2.8	1962
5	66.4	19.1	81.9	27.7	100	37.8	1981	51.1	10.6	38	3.3	1966
6	66.3	19.4	81.5	27.5	96	35.6	1981	52.7	11.5	39	3.9	1980
7	65.1	18.4	79.2	26.2	92	33.3	1978*	51.5	10.8	40	4.4	1962
8	64.2	17.9	78.7	25.9	97	32.2	1981*	50.1	10.1	36	2.2	1979
9	64.2	17.9	79.4	26.3	95	35.7	1973	49.7	9.8	39	3.3	1964
10	65.3	18.3	79.7	26.5	96	35.6	1979	50.4	10.2	40	4.4	1963
11	66.0	19.0	82.1	27.8	99	37.2	1979	50.6	10.3	37	2.8	1972
12	66.3	19.4	82.2	27.9	99	37.2	1979	51.8	11.0	45	7.2	1972*
13	67.2	19.6	82.3	27.9	97	36.1	1979*	52.1	11.2	40	4.4	1981
14	67.3	19.6	81.5	27.5	95	35.7	1961	52.4	11.3	41	5.0	1981
15	68.3	20.2	83.9	28.8	97	36.1	1961	52.2	11.2	36	2.2	1965
16	70.1	21.2	85.5	29.7	98	36.7	1961	54.3	12.4	45	7.2	1965
17	69.8	21.0	84.0	28.9	99	37.2	1961	55.0	12.8	42	5.6	1979
18	69.9	21.1	85.1	29.5	97	36.1	1968*	54.1	12.3	42	5.6	1965
19	70.3	21.4	86.5	30.3	101	38.3	1961	54.4	12.4	43	6.1	1964
20	72.1	22.2	87.5	30.3	104	40.0	1961	56.7	13.7	42	5.6	1974
21	72.0	22.2	88.6	31.4	101	39.3	1961	55.8	13.2	40	4.4	1960
22	72.1	22.2	89.1	31.7	103	39.4	1961	54.4	12.7	44	6.7	1964
23	71.7	21.8	87.1	30.6	100	37.8	1961	55.3	12.9	46	7.8	1963
24	70.7	21.5	87.7	30.9	100	37.8	1979*	53.9	12.2	44	6.7	1972
25	70.5	21.4	88.0	31.1	102	38.9	1961	54.0	12.2	41	5.0	1975
26	70.2	22.3	89.8	32.1	102	38.9	1981*	55.1	12.8	41	5.0	1974
27	70.9	21.6	88.2	31.2	99	37.2	1973	54.1	12.3	43	6.1	1980
28	70.8	21.6	87.7	30.9	99	37.2	1980*	54.3	12.4	42	5.6	1969
29	63.9	20.5	85.6	29.6	101	38.3	1981	53.0	11.7	36	2.2	1963
30	62.3	20.8	87.4	30.9	101	38.3	1972*	52.2	11.2	4	4.4	1963
31												
Monthly	65.3	20.2	84.0	28.9	104	40.0	1961	52.6	11.4	36	2.2	1979*

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

172

TALLON, NC

1952-1982

JULY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	72.0	22.2	89.3	31.8	102	38.9	1967		54.5	12.5	42	5.6	1976	
2	71.8	22.0	88.4	31.3	102	38.9	1967		54.0	12.7	38	3.3	1976	
3	72.6	21.4	87.8	31.1	100	37.8	1981		53.0	12.2	29	3.9	1976	
4	72.4	22.4	90.1	32.3	106	41.1	1981		55.1	12.8	44	6.7	1976	
5	74.1	23.3	91.3	32.9	102	38.9	1973		57.0	13.9	46	7.8	1977	
6	74.1	23.3	92.3	33.5	100	37.8	1968		56.0	13.3	48	7.2	1961	
7	73.5	23.1	91.5	33.1	100	37.8	1976		55.7	13.2	45	7.2	1959	
8	73.8	23.2	91.5	33.1	98	36.7	1976*		56.4	13.6	45	7.2	1959	
9	74.1	23.3	92.0	33.7	102	38.9	1973		56.6	13.7	48	9.9	1959	
10	73.1	22.8	91.4	33.7	102	38.9	1959		55.2	12.9	48	8.9	1974*	
11	73.0	23.2	92.8	33.8	102	38.9	1959		55.2	12.9	41	5.0	1974	
12	75.1	23.9	92.4	33.6	100	37.8	1982*		57.7	14.3	48	8.9	1974*	
13	75.8	24.3	93.2	34.5	101	38.3	1972		58.1	14.4	44	6.7	1961	
14	76.5	24.7	94.0	34.4	102	38.9	1978		58.7	14.8	48	8.9	1966	
15	77.0	25.0	93.9	34.4	103	39.4	1979		60.3	15.7	49	9.4	1966	
16	76.7	24.8	93.4	34.1	105	40.6	1979		60.2	15.7	50	10.0	1962	
17	76.1	24.4	93.2	34.0	105	40.6	1979*		59.1	15.1	52	11.1	1974*	
18	77.1	25.1	94.8	34.9	105	40.6	1960		59.5	15.3	52	11.1	1966	
19	77.2	25.5	95.1	35.1	104	40.7	1960		60.5	15.8	55	12.8	1961	
20	76.7	24.9	93.6	34.2	103	39.4	1960		59.7	15.4	53	11.7	1972	
21	76.4	24.7	93.6	34.2	105	40.6	1980		58.6	14.8	47	8.3	1972	
22	77.8	25.4	94.8	34.9	105	40.6	1980		60.3	15.7	46	7.8	1972	
23	77.3	25.3	94.6	34.8	105	40.6	1980		60.0	15.6	46	7.8	1973	
24	77.3	25.5	95.6	35.3	105	40.6	1980		60.3	15.7	45	7.2	1973	
25	78.1	25.6	95.8	35.4	105	40.6	1978		60.4	15.8	46	7.8	1973	
26	78.5	25.7	96.0	35.6	106	41.1	1980		60.2	15.7	48	9.9	1973	
27	78.9	25.9	96.1	35.6	105	40.6	1980		61.2	16.2	50	10.0	1972	
28	79.2	26.3	96.4	35.8	103	39.4	1961		62.2	16.8	53	11.7	1972*	
29	78.4	25.8	95.4	35.2	103	39.4	1966		61.4	16.3	54	12.2	1959	
30	77.5	25.3	93.6	34.2	105	40.6	1982		61.4	16.3	52	11.1	1975	
31	76.3	24.9	94.1	34.5	106	41.1	1982*		59.7	15.4	46	7.8	1975	
Monthly	75.8	24.3	93.3	34.7	105	41.1	1982*		58.4	14.7	38	3.3	1976	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

02 FALLON, N 1954-1982 AUGUST  
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE	AVERAGE		EXTREME		DATE		
	° F	° C	° F	° C	° F	° C		° F	° C	° F	° C			
1	76.2	24.9	74.7	24.4	107	39.4	1977	59.6	15.3	45	8.9	1975		
2	76.4	24.7	74.3	24.6	104	40.7	1979	58.4	14.7	45	9.4	1974		
3	76.5	24.9	74.7	24.9	104	40.8	1978	58.8	14.9	45	9.4	1972		
4	77.3	25.2	74.4	24.7	105	40.6	1978	60.1	15.6	52	11.1	1981		
5	75.3	24.4	73.4	24.1	102	38.9	1978	58.4	14.7	52	11.1	1981		
6	76.	24.4	74.3	24.6	102	38.9	1981	57.6	14.2	49	8.9	1976		
7	76.	24.6	73.6	24.2	104	40.9	1981	58.8	14.9	42	5.6	1976		
8	76.	24.6	74.4	24.7	104	42.2	1981	58.2	14.6	45	7.2	1976		
9	76.7	24.8	74.4	24.7	106	41.1	1981	59.1	15.1	48	8.9	1976		
10	77.0	25.1	74.6	24.8	105	40.6	1979	59.7	15.4	45	7.2	1982		
11	77.7	25.2	75.1	25.1	103	39.4	1980	59.5	15.3	47	8.3	1973		
12	76.0	24.5	73.7	24.3	102	38.9	1981*	58.5	14.7	51	10.6	1982		
13	74.4	23.8	72.0	23.3	104	40.7	1981	58.2	14.6	51	10.6	1973*		
14	75.	23.9	70.8	22.7	103	39.4	1962	58.3	14.6	45	7.2	1978		
15	74.	23.4	71.0	22.8	99	37.2	1973*	56.7	13.7	46	7.8	1968		
16	74.5	23.6	70.9	22.7	100	37.8	1981*	57.2	14.3	46	7.8	1972		
17	73.7	23.1	78.5	31.4	101	38.3	1981	57.7	14.3	45	7.2	1973*		
18	73.7	23.2	79.1	31.7	99	37.2	1981	57.6	14.2	41	5.7	1973		
19	72.7	22.5	78.	31.1	100	37.8	1960	56.4	13.6	47	8.3	1979		
20	71.6	21.9	78.6	31.4	99	37.2	1960	54.2	12.3	45	7.2	1974		
21	70.1	22.3	74.5	31.9	103	39.4	1982	54.9	12.7	44	6.7	1968		
22	70.9	21.4	77.2	30.7	98	36.7	1981*	53.8	12.1	42	5.6	1961		
23	70.	22.2	75.4	31.9	101	38.3	1969*	54.2	12.3	34	1.1	1973		
24	71.4	22.0	77.4	31.4	98	36.7	1981*	53.6	12.7	32	.7	1973		
25	71.3	22.1	78.9	31.6	101	38.3	1982	54.7	12.6	44	6.7	1961		
26	71.2	21.8	77.7	30.9	98	36.7	1981	54.4	12.4	45	7.2	1973		
27	70.7	21.1	77.3	30.7	100	37.8	1981	52.3	11.3	38	3.3	1973		
28	70.7	21.9	77.8	31.1	101	38.3	1981	53.6	12.0	39	3.9	1973		
29	70.6	20.9	77.2	30.7	102	38.9	1981	52.1	11.2	41	5.0	1964		
30	69.3	20.7	76.7	30.4	96	35.6	1967	51.9	11.1	43	6.1	1966		
31	65.6	20.7	76.4	30.2	96	35.6	1967	52.1	11.1	43	6.1	1962		
Monthly	73.8	23.2	70.9	32.7	108	42.2	1981	56.5	13.6	32	.0	1973		

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION 12 FULLON, N. STATION NAME 195-1982 YEARS SEPTEMBER MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	59.1	20.6	77.3	30.7	98	36.7	1981	51.6	10.9	35	1.7	1973
2	59.1	20.7	77.3	30.7	97	26.1	1982	51.1	10.6	25	-3.9	1973
3	59.3	21.6	78.0	31.1	96	35.6	1973	53.5	11.9	35	1.7	1973
4	59.2	20.6	77.2	30.7	93	36.7	1977	51.7	13.6	35	1.7	1973
5	59.1	20.7	75.8	29.9	97	36.1	1977	52.7	11.5	42	5.6	1972
6	59.3	21.0	6.8	30.4	97	36.1	1977	52.8	11.6	44	6.7	1964
7	59.4	21.1	6.3	30.2	99	37.2	1979	53.4	11.9	41	5.7	1973
8	59.1	20.0	75.0	29.4	97	36.1	1982	51.7	10.6	24	-4.4	1973
9	57.1	19.9	74.7	29.3	97	36.1	1982	51.1	10.6	35	1.7	1973
10	59.4	20.3	74.8	28.9	97	35.7	1977	53.1	11.7	43	6.1	1974
11	6.3	19.2	73.3	28.5	95	35.7	1971	50.0	10.0	31	3.3	1972
12	6.1	19.9	73.0	28.3	96	35.6	1981	49.4	9.7	32	0.0	1972
13	4.4	18.0	75.5	26.9	93	33.7	1981*	48.5	9.2	36	1.1	1972
14	2.5	17.0	70.3	26.3	93	33.0	1981*	46.2	7.9	34	1.1	197
15	57.1	17.2	70.0	26.7	94	34.4	1981*	45.5	7.7	34	1.1	1970
16	57.1	17.1	75.7	26.5	99	37.7	1961	46.1	7.8	27	2.8	197
17	3.1	17.1	74.5	26.4	96	35.6	1981*	47.5	8.6	29	-1.7	1975
18	57.1	17.1	75.0	25.6	94	34.4	1981*	47.5	8.6	24	-4.4	1965
19	1.1	16.2	77.5	25.3	93	33.7	1981	45.1	7.3	24	-2.2	1965
20	1.4	15.8	76.5	24.7	97	37.7	1981	44.1	6.7	22	0.0	1975
21	59.2	15.9	76.4	24.7	92	33.3	1979	47.1	5.2	31	-0.6	1968
22	50.7	16.0	76.4	25.8	90	32.2	1982*	43.3	6.1	21	-0.6	1965
23	1.5	16.4	79.0	26.1	97	32.2	1966	43.5	6.4	22	0.0	1977
24	1.3	16.7	79.3	26.3	92	33.3	1978	44.3	6.8	26	-3.3	1956
25	1.7	17.6	70.7	27.1	94	34.4	1978	45.5	7.5	28	-2.2	1972
26	15.1	18.4	1.5	27.6	97	33.3	1978	48.7	9.9	21	-1.1	1977
27	50.7	17.1	79.8	26.6	93	33.7	1980	45.7	7.6	37	2.8	1970
28	1.7	16.9	78.1	25.6	91	32.7	1963	45.4	7.4	20	-1.1	1950
29	1.7	15.9	77.3	25.2	91	32.7	1963	44.3	6.8	20	-1.7	1950
30	50.7	16.1	78.2	25.7	95	35.7	1980	43.7	6.5	23	0.6	1972
31												
Monthly	64.1	18.3	71.8	27.6	90	37.7	1981	48.7	8.9	24	-4.4	1973

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

122  
STATION

FALLON, NV  
STATION NAME

1954-1982  
YEARS

OCTOBER  
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP						MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	51.4	15.6	77.4	25.2	91	32.2	1980		42.4	5.8	27	-2.5	1971	
2	51.4	15.6	77.3	25.2	91	32.3	1963		43.1	6.2	27	-2.8	1971	
3	51.7	15.3	75.8	24.3	91	32.7	1980		42.7	5.9	21	-6.6	1971	
4	51.4	15.3	75.5	24.2	91	32.7	1980		42.7	6.0	27	-2.8	1969	
5	51.1	15.1	76.6	24.8	89	31.7	1980*		41.4	5.2	26	-3.3	1969	
6	51.5	15.3	76.3	24.6	89	31.7	1980*		42.5	5.5	28	-2.2	1969	
7	51.4	13.6	71.4	21.7	90	32.2	1980*		40.3	4.9	29	-1.7	1969	
8	51.7	13.7	72.0	22.2	92	33.3	1980		40.6	4.8	26	-3.3	1969	
9	51.6	14.2	72.8	22.7	89	31.7	1955		41.6	5.3	29	-1.7	1969	
10	51.1	14.5	73.1	22.3	84	28.9	1960*		42.3	5.7	25	1.7	1979	
11	51.4	14.1	72.4	22.4	84	28.7	1958		42.0	5.6	26	-3.3	1969	
12	51.4	13.4	71.6	22.1	85	29.4	1979		41.1	5.1	29	-2.2	1969	
13	51.1	13.2	71.8	22.1	84	28.9	1971		39.5	4.2	26	-3.3	1969	
14	51.3	11.2	69.2	20.7	84	28.9	1958		35.9	2.2	22	-5.6	1966	
15	51.1	11.2	69.5	20.7	85	29.4	1978*		36.5	2.5	24	-4.4	1966	
16	51.1	11.1	68.4	20.3	85	30.3	1977*		36.7	2.2	27	-2.8	1966	
17	51.1	11.2	69.5	20.6	83	28.3	1958		35.4	1.9	25	-6.7	1971	
18	51.1	11.4	68.2	20.7	85	29.4	1977		36.1	2.3	23	-5.7	1971	
19	51.1	11.4	69.4	20.8	93	28.3	1977		35.7	2.1	24	-4.4	1976	
20	51.1	11.9	69.5	20.8	70	26.1	1960		37.0	2.8	25	-3.9	1969*	
21	51.4	11.3	66.3	20.1	79	26.1	1960		34.6	1.6	22	-5.6	1963	
22	51.1	11.1	69.7	20.6	76	24.4	1982*		35.0	1.7	22	-5.6	1961	
23	51.1	10.9	67.9	19.9	81	26.7	1959		35.1	1.7	24	-4.4	1961	
24	51.1	10.8	67.9	19.9	86	30.0	1959		35.1	1.7	24	-4.4	1975	
25	51.1	11.3	61.5	20.3	83	28.3	1959		36.7	2.3	27	-2.8	1971	
26	51.1	10.3	65.3	18.8	77	25.7	1981		35.2	1.9	24	-4.4	1976	
27	47.7	9.2	64.2	17.9	79	26.1	1978		32.7	.4	17	-4.3	1971	
28	47.7	8.4	62.7	17.1	84	23.9	1978		31.6	-2.2	16	-5.9	1971	
29	47.7	7.2	51.8	14.7	75	25.6	1962		31.3	-4.4	11	-11.7	1971	
30	47.7	6.8	50.7	15.7	75	25.6	1962		29.6	-1.3	17	-8.3	1972	
31	47.7	7.8	51.7	16.5	75	25.6	1981		30.4	-8.8	21	-6.1	1972	
Monthly	3.6	12.0	69.7	20.9	92	33.3	1980		37.4	3.7	11	-11.7	1971	

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS



NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

STATION: 100 FALL A. N. 1967-1968 A. 45-3E MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	4.5	5.1	11.5	16.4	75	23.5	1967	31.4	-0.3	23	-5.0	1971
2	4.5	7.2	61.3	16.1	76	24.4	1980	31.4	-0.3	23	-5.0	1971
3	4.5	5.3	62.5	16.9	75	25.6	1980	31.4	-0.1	21	-6.1	1971
4	11.5	8.6	62.2	16.8	75	23.9	1977	30.5	.4	19	-7.2	1973
5	11.5	7.2	59.9	15.5	71	21.7	1976	32.6	.3	15	-7.8	1970
6	45.5	7.7	59.5	15.1	70	21.1	1976	32.7	.0	17	-8.3	1959
7	45.1	7.8	59.7	15.4	70	21.1	1976	32.2	.1	17	-7.2	1971
8	45.1	7.3	59.8	15.4	73	22.7	1967	30.5	-0.2	1	-7.8	1971
9	45.1	7.3	60.5	15.8	80	26.7	1958	30.2	-1.0	17	-5.3	1977
10	13.5	6.6	58.4	14.7	71	21.7	1973	29.8	-1.2	1	-7.8	1977
11	4.5	7.2	51.5	14.7	70	21.1	1977	31.5	-0.3	21	-6.1	1979
12	7.5	6.1	56.2	13.4	70	21.1	1959	29.4	-1.4	16	-9.9	1976
13	2.5	5.8	55.3	12.9	67	19.4	1958	29.1	-1.3	15	-6.9	1951
14	1.5	5.3	53.7	12.1	67	20.7	1966	28.7	-1.3	13	-10.6	1964
15	1.5	5.3	54.4	12.4	72	22.2	1981	28.5	-1.9	13	-10.6	1959
16	3.5	4.6	52.5	11.6	73	22.2	1981	28.2	-2.1	17	-7.3	1950
17	5.5	3.1	51.5	10.8	56	18.9	1976	26.5	-3.1	7	-12.3	1959
18	5.5	3.8	51.5	10.8	56	19.9	1959	25.6	-3.6	1	-12.2	1964
19	5.5	3.8	50.7	10.4	67	19.4	1966	25.7	-3.4	5	-15.0	1974
20	5.5	3.8	52.4	11.3	67	13.3	1974	25.3	-3.7	5	-13.3	1977
21	5.5	3.9	51.3	10.7	60	20.4	1981	26.7	-2.9	7	-10.2	1981
22	7.5	3.9	50.2	10.6	63	17.2	1980	26.1	-3.3	17	-9.3	1979
23	5.1	4.5	53.3	11.0	67	19.4	1981	26.8	-2.9	1	-7.8	1972
24	11.4	5.3	55.5	13.1	70	25.6	1970	27.6	-2.4	16	-8.9	1976
25	10.5	4.6	53.7	12.1	74	23.3	1977	26.7	-2.9	12	-11.1	1966
26	7.5	3.7	50.4	10.4	60	20.7	1977	26.7	-3.3	14	-17.0	1981
27	7.5	2.3	4.6	9.2	60	15.6	1977	22.4	-5.3	11	-11.7	1981
28	7.5	3.3	4.9	9.0	66	10.9	1980	24.7	-4.1	10	-11.1	1969
29	7.5	3.1	51.5	10.8	72	22.7	1980	23.6	-4.7	10	-12.2	1969
30	7.4	3.7	51.5	10.8	61	16.1	1973	23.9	-4.5	5	-15.0	1976
31												
Monthly	11.5	5.4	55.2	12.9	80	26.7	1958	30.2	-2.1	5	-15.0	1976

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# DAILY AVERAGE/EXTREME TEMPERATURES

72 FALLON, N 1957-1962 DECEMBER  
STATION STATION NAME YEARS MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				DATE	MINIMUM TEMP				DATE
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
	°F	°C	°F	°C	°F	°C		°F	°C	°F	°C	
1	7.1	3.3	51.9	11.0	63	17.2	1966	27.7	-4.6	11	-11.7	1976
2	7.1	3.3	52.1	11.2	71	21.7	1977	25.4	-3.7	1	-12.2	1976
3	7.1	3.6	53.7	11.7	66	18.9	1979*	24.9	-3.9	11	-11.7	1976
4	7.1	2.8	50.7	10.4	67	19.4	1977	27.3	-4.4	11	-11.7	1963
5	7.1	2.2	40.8	9.3	66	18.9	1977	23.0	-5.0	3	-16.1	1972
6	7.1	2.1	40.3	9.6	60	20.5	1981	22.4	-5.3	5	-13.3	1969
7	7.1	1.5	42.9	9.4	60	20.7	1981*	21.4	-5.9	5	-15.0	1971
8	2.4	.7	45.5	8.1	62	16.7	1981	15.4	-7.6	-9	-22.3	1972
9	12.1	.7	45.8	7.7	60	20.9	1981	19.2	-7.1	-14	-25.6	1972
10	3.1	1.0	40.3	9.1	63	17.2	1981	19.6	-6.9	-9	-22.3	1972
11	2.3	.3	46.4	8.7	6	20.3	1977	18.6	-7.4	-14	-25.6	1972
12	71.1	-0.2	44.5	7.1	60	15.6	1969	19.6	-7.4	-7	-21.7	1972
13	7.1	-0.7	42.7	5.9	61	16.1	1977*	18.8	-7.3	-5	-20.6	1972
14	73.1	.8	46.5	8.1	6	20.7	1977	20.4	-6.3	-5	-20.6	1972
15	74.1	1.5	47.9	8.8	65	18.7	1962	21.2	-6.0	-2	-15.9	1972
16	73.1	1.7	47.1	8.4	7	21.1	1982	20.2	-6.6	5	-14.4	1972
17	74.1	1.7	47.4	8.6	61	16.1	1981	21.7	-5.7	6	-14.4	1971
18	73.7	.4	44.9	7.2	59	15.1	1967	22.5	-5.3	6	-14.4	1971
19	74.7	1.2	46.6	8.1	60	20.7	1981	21.3	-5.9	5	-15.3	1963
20	70.4	1.3	46.7	8.3	67	19.4	1981	22.0	-5.6	-4	-20.2	1965
21	7.1	2.4	46.9	8.7	65	18.3	1969	25.5	-3.6	11	-11.7	1968
22	70.4	1.3	44.2	6.9	69	20.4	1964	24.6	-4.1	6	-14.4	1968
23	72.7	.3	44.5	6.9	64	17.9	1964	21.0	-6.1	9	-12.6	1973
24	7.1	1.7	45.6	8.1	63	17.2	1964	22.7	-5.2	7	-12.8	1962
25	73.1	.8	40.4	7.4	67	18.7	1987	21.5	-5.8	5	-15.0	1962
26	73.1	.9	44.6	7.7	61	16.1	1987	20.2	-5.4	5	-15.0	1962
27	72.6	.3	43.2	6.3	62	17.7	1987	21.9	-5.6	2	-15.7	1962
28	72.1	.4	44.3	6.9	61	15.1	1987	20.9	-6.3	1	-17.2	1971
29	72.4	.7	44.6	7.7	50	15.7	1987*	19.9	-6.7	-1	-15.3	1971
30	70.1	-1.1	43.2	5.7	57	13.7	1977	17.1	-8.3	-2	-20.6	1971
31	7.1	-1.3	41.0	5.7	59	15.7	1977	16.2	-8.8	-5	-20.6	1971
Monthly	71.1	1.1	46.6	8.1	71	21.7	1977	21.3	-5.9	-14	-25.6	1972

\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION 112 FALLON, NV 57-87 YEARS

IN DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	64	67	64	76	92	97	101	100	93	88	91	64	101
2	63	67	69	84	92	101	105	101	93	86	75	58	101
3	59	62	78	82	90	97	105	102	94	85	75	61	105
4	57	77	72	86	90	104	102	102	88	86	63	58	104
5	62	59	74	85	84	96	98	103	93	87	72	65	107
6	61	73	69	77	90	91	98	96	93	91	68	61	99
7	58	64	75	80	92	96	100	101	92	90	65	59	101
8	65	65	70	83	95	92	98	97	88	89	74	60	95
9	61	57	80	85	91	96	103	99	93	82	72	63	107
10	58	67	71	65	95	101	102	100	95	81	73	57	102
11	61	66	76	81	91	100	100	95	96	80	69	61	100
12	69	59	77	83	90	96	101	102	95	81	75	65	102
1	67	72	72	76	92	99	100	102	92	87	79		
2	72	73	80	83	89	93	102	100		84	69	54	
3	61	69	82	77	90	101	101	100	87	75	62	59	101
4	59		85	82	90	102	102	101	95	80	71	59	
5	67	64	71	83	89	96	95	93	91		67	59	
6	69	68	59	68	87	92	100	94	89	82	72		
7	58	65	72	77	91	94	100	94		78	71		
8	2	70	75	86	95	98	100	103	98	86			
9		66	79	77	90	92	105	105	96	87		57	
10		66	72	79	95	100	106	105	99	89	66	66	
11		71	67	87	93	99	106	103	95	92		55	
12	63	75	67	95			108	108	99			60	
1	53	79	69	82	92	96	106						
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
MEAN	61.0	67.2	72.6	81.1	90.6	97.0	101.5	100.3	93.4	84.8	77.2	61.6	101.7
S.D.	1.061	1.267	1.382	1.271	2.716	3.575	2.904	3.714	3.367	4.447	4.347	3.789	2.277
TOTAL OBS.	60	67	77	75	74	72	74	74	66	62	53	65	846

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MAXIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

1972 FULTON, NV 57-80  
STATION STATION NAME YEARS

4000 DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
70												64 29	MAX TEMP DAYS
71		61 23											MAX TEMP DAYS
74										79 30			MAX TEMP DAYS
75												63 30	MAX TEMP DAYS
76												60 30	MAX TEMP DAYS
77											76 26	71 30	MAX TEMP DAYS
78	63 30										77 29		MAX TEMP DAYS
79	59 30												MAX TEMP DAYS
80	64 30										74 10		MAX TEMP DAYS
81					61 27	102 24	106 30			90 30	75 28		MAX TEMP DAYS
82								103 25	87 26	80 26	77 26	71 26	MAX TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION WALLON, NV STATION NAME 51-80 YEARS

WALLON DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
57											14	11	
58	1-	17	17	26	40	46	53	56	26	22	6	11	
59	3	12	20	26	31	42	45	43	29	24	14	7	
60	3	12	12	24	30	40	50	37	37	24	17	11	
61	7	18	22	25	31	40	45	51	33	22	7	1-	1-
62	11-	5	20	30	33	37	50	43	37	27	12	2	12-
63	11-	22	16	19	34	36	50	45	43	29	17	11	11-
64	10	11	13	23	23	35	48	41	34	26	5	9	
65	7	10	11	29	29	36	45	48	24	29	21	5	
66	9	12	17	25	37	37	44	43	39	22	12	6	
67	14	12	18	22	27	40	51	52	39	26	23	8	
68	6	11	20	24	33	40	49	42	31	26	17	4-	-
69	12	2	20	26	36	42	49	51	44	23	1-	11	!
70	4	16	15	20	32	40	50	53	28	16	20		
71	4-				36	39				11			
72	7-		14	12		37	46		26	17	17		
73	2-		21	24	32			30			16		
74	6	19	20	24	32	37	41		37		20	2-	
75	5-	10	15				46	46	41	24			
76	10		20		42								
77			10	10	26		46	45	32	32			
78			27	28	36	42	46	41	31	25	16	1-	
79		1	23	27	32	36	47	46	40	25	10	8	
80		15	20		36	37	43	47	39	23		7	
81	15	16	21	27				47		24	11	15	
82	17-	12	18	24	32	41	49						
83													
84													
85													
86													
87													
88													
89													
90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
00													
MEAN	6.7	13.7	17.9	24.2	32.7	39.1	47.6	45.6	34.6	24.0	14.4	6.7	10
S.D.	9.39	5.756	4.274	3.220	4.388	2.614	2.924	5.600	5.826	4.842	4.717	5.573	6.255
TOTAL OBS.	651	536	744	63	682	60	651	620	600	651	600	558	722

SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

EXTREME VALUES

MINIMUM TEMPERATURE  
(FROM DAILY OBSERVATIONS)

STATION 1112 COLLINS, NV 57-81  
STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT  
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
71												9	MIN TEMP
72												29	DAYS
73		17	6	31			47	54			16	5-	MIN TEMP
74		27	30	29			70	23			14	29	DAYS
75					27			45				14-	MIN TEMP
76					27			28				29	DAYS
77		17					45		24	27		31	MIN TEMP
78		22					9		9	5		28	DAYS
79								41		30			MIN TEMP
80								70		30			DAYS
81				22	27	41					14	16	MIN TEMP
82				11	25	28					28	25	DAYS
83		11		19		45	78	42		21	5	8	MIN TEMP
84		22		25		23	21	16		27	27	22	DAYS
85	5	11				52					3	15	MIN TEMP
86	29	26				29					25	25	DAYS
87	18	24											MIN TEMP
88	27	27											DAYS
89	5												MIN TEMP
90	30												DAYS
91	4			27							16		MIN TEMP
92	30			27							17		DAYS
93					12	41	44		38				MIN TEMP
94					24	21	70		29				DAYS
95								71	33	30	23	12	MIN TEMP
96								21	26	26	26	25	DAYS
97													
98													
99													
MEAN													
S. D.													
TOTAL OBS.													

SMOS

# PSYCHROMETRIC SUMMARY

STATION 97102 FALLON, NV STATION NAME 73-82 YEARS JAN MONTH

PAGE 1  
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
66 / 65										.2								3	3		
64 / 62									.1	.1	.1							4	4		
62 / 61							.2			.1								4	4		
60 / 59						.1		.1	.1	.1								6	6		
58 / 57						.1	.2	.1	.2	.1								13	13		
56 / 55					.1	.2	.6	.2	.3									35	35		
54 / 53			.1		.2	.3	.9	.5										34	34		
52 / 51					.5	1.1	.9	.1										44	44		
50 / 49			.1	.1	.5	1.6	.3	.1										48	48	5	
48 / 47			.1	.6	.9	1.5	.3											62	62	7	1
46 / 45	.1	.1	.1	.8	1.9	1.3	.2											76	76	19	1
44 / 43	.1	.1	.2	1.1	2.5	.7												81	81	47	2
42 / 41	.1	.1	1.3	1.8	2.2	.5	.1											105	105	95	5
40 / 39	.1	.6	1.8	1.8	.9	.3												94	94	104	12
38 / 37	.1	.6	2.0	2.3	.8	.2	.1											107	107	126	11
36 / 35	.3	.9	2.8	2.4	.7	.1												124	124	156	41
34 / 33	.7	1.3	2.1	1.7	.5													109	109	142	65
32 / 31	.4	2.0	3.3	1.7	.3													135	135	143	94
30 / 29	.5	1.9	3.6	.7	.2													120	120	146	130
28 / 27	1.1	1.9	2.1	.5														97	97	161	186
26 / 25	1.1	2.3	1.2	.1														82	82	148	182
24 / 23	1.0	1.9	1.0	.1														69	69	94	161
22 / 21	.7	1.1	1.1															53	53	73	155
20 / 19	1.3	1.1	.5															49	49	64	161
18 / 17	1.0	1.2	.1															39	39	58	116
16 / 15	1.1	1.3	.1															44	44	39	97
14 / 13	.6	.3																16	16	31	66
12 / 11	.7	.2																16	16	17	69
10 / 9	.8	.1																16	16	19	50
8 / 7	.2	.7																16	16	3	34
6 / 5	.2	.2																10	10	16	20
4 / 3	.1	.4																9	9	8	16
2 / 1	.1	.2																5	5	6	6
0 / - 1	.2	.2																7	7	9	10
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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## PSYCHROMETRIC SUMMARY

03172  
STATION

FALLON, NV

STATION NAME

73-52

YEARS

JAN  
MONTH

PAGE 2  
HOURS (L S T )

[illegible]



## PSYCHROMETRIC SUMMARY

555

**MONTH**

HOURS ( L S Y )

[illegible]

NAVWEASERVCOM

## PSYCHROMETRIC SUMMARY

FALLON, NV

STATION NAME

73-02

**YEARS**

FE9

MONTH

**PAGE 2**

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2 / 7																					14
6 / 5																					11
4 / 3																					3
2 / 1		.1																1	1		1
0 / - 1																				1	
-4 / - 5																					1
TOTAL	1.1	11.8	16.2	16.8	14.5	14.2	10.0	7.0	4.1	2.5	1.4	.4	.1					1664	1664	1664	1664
													</								

**WAVWEASERVCOM**

# PSYCHROMETRIC SUMMARY

93102 FALLON, NV 73-92 MAD NORTH

PAGE 1  
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
76 / 77														.1				1													1	1			
76 / 75													.1	.2				4													4	4			
74 / 73												.1	.2					5													5	5			
72 / 71											.2	.4	.1					13													13	13			
70 / 69										.1	.2	.3	.1					12													12	12			
68 / 67									.1	.2	.5	.4	.1					23													23	23			
66 / 65								.1	.2	.5	.8	.4						36													36	36			
64 / 63								.1	.7	.9	.9	.1						50													50	50			
62 / 61							.2	.2	1.4	1.3	.5	.1						65													65	65			
60 / 59							.2	.8	1.7	.9	.3							74													74	74			
58 / 57						.7	.4	1.5	1.2	.4	.1							70													70	70			
56 / 55				.1	.2	.5	.6	2.1	1.4	.2								92													92	92			
54 / 53				.1	.4	1.0	1.5	2.4	1.1	.1								120													120	120			
52 / 51		.1	.1	.3	.5	1.1	2.0	1.9	.4	.1								115													115	115	18		
50 / 49				.5	.9	1.7	1.8	1.3	.2									118													118	118	33	1	
48 / 47			.5	.5	.9	1.9	1.9	.8	.1									122													122	122	64		
46 / 45		.1	.6	1.0	2.0	1.6	1.8	.4										137													137	137	121	3	
44 / 43		.2	.4	1.1	1.9	2.7	.8	.1										120													120	120	183	3	
42 / 41		.2	.4	1.6	1.6	1.6	.7	.1										113													113	113	178	15	
40 / 39		.2	1.0	1.3	1.6	1.2	.3											113													113	113	207	30	
38 / 37	.1	.2	1.5	1.7	1.2	.3	.1											92													92	92	186	35	
36 / 35	.1	.2	1.5	1.9	1.4	.5												103													103	103	193	41	
34 / 33	.3	.7	1.5	1.1	.5	.2												76													76	76	179	83	
32 / 31	.2	.4	1.7	1.0	.3													65													65	65	150	106	
30 / 29	.1	.2	1.0	.5														33													33	33	135	161	
28 / 27	.1	.7	.6	.2														28													28	28	75	199	
26 / 25	.1	.2	.4	.1														13													13	13	61	191	
24 / 23		.4	.3															12													12	12	25	174	
22 / 21	.1	.1	.1															4													4	4	16	187	
20 / 19	.1	.1																2													2	2	7	185	
18 / 17	.1	.1																2													2	2	1	138	
16 / 15		.1																1													1	1	2	105	
14 / 13																																		65	
12 / 11																																		47	
Element (X)	$\Sigma X^2$				$\Sigma X$				$\bar{X}$				$\sigma_x$				No. Obs.				Mean No. of Hours with Temperature														
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

## PSYCHROMETRIC SUMMARY

97102	FALLON, NV	73-92	4A?
STATION	STATION NAME	YEARS	MONTH

PAGE 2  
HOURS 11 57

[illegible]

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# PSYCHROMETRIC SUMMARY

STATION 7112 FALLON, NV STATION NAME 73-52 YEARS APR MONTH

PAGE 1  
HOURS (LST)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
92/ 71																.1		1	1						
91/ 69																.1		1	1						
90/ 57																.1		1	1						
89/ 85																	.1	.1	3	7					
88/ 83													.1	.1	.1	.1		6	6						
87/ 81															.4	.3	.1	13	13						
86/ 79												.1	.2	.2	.4	.1		16	16						
85/ 77												.1	.5	.3	.3			21	21						
84/ 75											.2	.2	.5	.6	.1			27	27						
83/ 73											.2	.6	1.1	.5				42	42						
82/ 71										.2	.2	.7	1.1	.2				43	43						
81/ 69							.1	.2	.1	1.0	1.8	.8	.1					70	70						
80/ 67							.2	.2	.3	1.5	1.2		.1					63	63						
79/ 65							.1	.3	1.1	1.7	1.1							76	76						
78/ 63						.1	.1	.3	.9	2.3	1.1	.2						89	89						
77/ 61					.1		.2	.1	1.5	1.7	1.3	.1						89	89	2					
76/ 59					.1	.2	.3	1.5	1.6	1.6	.5	.1						103	103	3					
75/ 57					.1	.2	.6	1.3	1.7	1.5	.1							98	98	2					
74/ 55				.1	.3	.5	1.0	1.7	.6	.1								103	103	15					
73/ 53		.1	.1	.1	.3	.5	1.6	2.2	1.4	.1								114	114	49					
72/ 51				.2	.9	1.1	1.9	2.4	.9									132	132	62	1				
71/ 49		.1		.5	1.7	1.6	1.7	1.4	.3									118	118	112	1				
70/ 47			.3	.5	.8	1.2	1.5	1.1										99	99	152	4				
69/ 45			.3	.7	1.1	2.0	.8	.3										95	95	186	3				
68/ 43		.2	.3	.5	1.2	1.5	1.0											83	83	192	3				
67/ 41		.1	.2	.9	.9	1.2	.3											63	63	200	20				
66/ 39	.1	.1	.7	1.4	1.2	.5	.1											72	72	202	44				
65/ 37	.1	.3	.5	.6	.7													39	39	178	48				
64/ 35	.1	.4	1.0	.7	.4	.1												48	40	143	51				
63/ 33		.5	.2	.5	.1													23	23	124	80				
62/ 31	.1	.2	.3	.1														11	11	84	105				
61/ 29	.1	.1	.1	.1														6	6	39	190				
60/ 27		.1	.1															3	3	17	177				
59/ 25		.1																1	1	5	190				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_X$		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

NAVJAGSRYLUM

## PSYCHROMETRIC SUMMARY

43175  
STATION

FALLON, NV

STATION NAME

73-07

**YEARS**

MONTH

PAGE 2  
HOURS 157

[illegible]

# PSYCHROMETRIC SUMMARY

STATION 0712 FALLON, NV STATION NAME 72-92 YEARS MAY MONTH

PAGE 1  
HOURS 11.57

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																	
94/93																	.1	2															2				
92/91																	.2	3															3				
90/89																	.2	10															10				
88/87															.1	.1	.8	18															18				
86/85															.2	.9		27															27				
84/82														.1	.4	1.2	.5	41															41				
82/81												.2	.6	1.0	.9			50															50				
80/79											.1	.4	1.3	1.7	.4			73															73				
78/77										.1	.3	.6	1.9	1.3	.1			93															93				
76/75								.1		.2	.9	1.0	1.8	1.2	.1			95															95				
74/73									.2	.3	1.1	2.1	2.1	.2				112															112				
72/71								.1	.4	.7	1.7	2.0	1.0	.1				110															110				
70/69							.4	.7	.4	1.2	1.8	1.2	.4					106															106				
68/67							.1	.6	.7	1.5	2.2	1.1						115															115				
66/65				.1		.1	.6	1.1	.9	1.7	1.9	.4						126															126				
64/63					.1	.2	.6	1.6	1.7	1.4	.6	.1						117															117				
62/61			.1		.1	.4	.5	1.2	1.8	1.5	.4	.1						111															111	5			
60/59			.1	.2	.2	.4	1.1	1.6	1.2	.7								103															103	37			
58/57			.1	.1	.4	.2	1.1	1.4	1.2	.2								95															95	93	1		
56/55		.1	.1	.2	.5	.2	1.3	1.4	.5	.1								93															93	93	144		
54/53			.2	.2	.6	.2	1.0	.2	.5	.1								81															81	81	197	3	
52/51			.1	.3	.7	.2	1.0	.6	.3									69															69	69	240	7	
50/49			.2	.3	.5	.6	.8	.2										46															46	46	246	13	
48/47		.1	.3	.5	.6	.4	.4											43															43	43	218	16	
46/45		.2	.1	.4	.4	.6	.1	.1										35															35	35	180	29	
44/43		.1	.4	.7	.4	.2	.1											32															32	32	168	56	
42/41		.2	.5	.4	.4													26															26	26	109	95	
40/39		.2	.2	.3	.1	.1												15															15	15	88	117	
38/37	.1	.2	.2															6															6	4	72	135	
36/35		.2	.1															4															4	4	41	163	
34/33																																				15	202
32/31	.1																	1															1	1	4	192	
30/29																																					201
28/27																																					181
Element (X)	$\Sigma X^2$					$\Sigma X$					$\bar{X}$					$\sigma_x$					No. Obs.					Mean No. of Hours with Temperature											
Rel. Hum.																										≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					





# PSYCHROMETRIC SUMMARY

STATION 93172

FALLON, NV

STATION NAME

73-82

YEARS

JUN MONTH

PAGE 1  
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
102/101																	.1	1	1		
100/99																	.3	5	5		
98/97																	.6	10	10		
96/95																	.1 1.3	26	26		
94/93																.1	.2 1.6	32	32		
92/91																.3	.5 1.9	49	49		
90/89													.1	.3	1.1	1.8	1.7	87	87		
88/87												.1	.2	.7	1.2	1.8	.9	87	87		
86/85												.2	.7	1.1	1.5	2.2	.3	108	108		
84/83											.1	.2	.9	.8	1.9	1.3		93	93		
82/81									.1	.1	.2	.5	1.3	1.7	1.5	.3		100	100		
80/79									.1	.2	.5	.7	1.4	1.7	1.3			107	107		
78/77										.7	1.0	1.3	2.0	1.6	.3			123	123		
76/75									.5	.9	1.0	1.7	1.3	.4	.1			106	106		
74/73																		128	128		
72/71							.1	.2	.6	1.1	.8	1.7	1.1	.5	.1			107	107		
70/69					.1	.1	.4	.4	.9	1.4	1.1	1.2	.2					107	107		
68/67				.1	.1	.1	.6	.7	.9	1.6	1.3	.4	.1					110	110	3	
66/65					.4	.3	.6	.5	1.1	1.6	1.1	.2						104	104	18	
64/63				.1	.3	.4	.5	.6	1.1	.8	.2	.2						75	75	45	
62/61			.1	.2	.2	.1	.3	.6	.9	.6	.2							56	56	121	
60/59		.1	.2	.4	.2	.2	.4	.7	.9	.3								59	59	199	1
58/57		.1	.2		.2	.2	.7	.6	.3									38	38	242	3
56/55		.1	.1	.1		.2	.3	.3	.1									18	18	291	9
54/53		.3	.2			.6	.3	.2	.1									30	30	228	10
52/51		.3	.1		.1	.2	.1	.2										16	16	192	30
50/49				.1	.1	.3												8	8	164	62
48/47		.1	.1		.2													6	6	119	66
46/45																				78	97
44/43				.1	.1													2	2	59	128
42/41																				25	124
40/39																				11	119
38/37																				3	182
36/35																					193
Element (X)	$\Sigma x^2$		$\Sigma x$		$\bar{x}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		Total
Dry Bulb																					
Wet Bulb																					
Dew Point																					

NAVWEASERVCOM

## NAVWEASERVCOM

**JUN**  
**MONTH**

PAGE 2  
HOURS (L S T )

[illegible]

# PSYCHROMETRIC SUMMARY

97112  
STATION

FALLON, NV  
STATION NAME

73-82  
YEARS

JUL  
MONTH

PAGE 1  
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
106 / 105																	.1	1	1					
104 / 103																	.7	12	12					
102 / 101																	1.0	19	19					
100 / 99																	.1	1.3	25	25				
98 / 97																	.2	3.3	64	64				
96 / 95																.1	.4	3.6	76	76				
94 / 93														.2	.5		.5	4.0	95	95				
92 / 91												.1	.1	.7	1.0	2.3	4.1	151	151					
90 / 89												.1	.5	.7	1.3	3.0	2.0	136	136					
88 / 87										.1	.1	.3	.5	.9	2.3	3.1	.9	150	150					
86 / 85										.3	.5	.2	.6	1.2	2.3	1.2	.1	119	119					
84 / 83							.1	.1	.1	.2	.5	.6	.9	1.5	2.2	.4		119	119					
82 / 81								.1	.3	.2	.2	.7	1.0	1.4	1.0			90	90					
80 / 79								.2	.2	.3	.5	1.4	1.7	1.0	.4			103	103					
78 / 77						.1	.2	.3	.4	.5	1.1	1.6	1.6	.3				112	112					
76 / 75				.1		.1	.2	.3	.7	1.4	1.3	1.6	.8	.2				122	122					
74 / 73					.2	.3	.4	.6	.5	.9	1.3	1.2	.4					113	113					
72 / 71			.2		.1	.3	.2	.4	1.0	1.0	1.6	.4	.1					95	95	2				
70 / 69			.2	.2	.1	.1	.5	.4	1.2	.9	1.0	.1						84	84	9				
68 / 67			.2	.1	.1	.1	.2	.4	.5	1.0	.1	.1						51	51	39				
66 / 65		.1		.1	.2	.1	.3	.6	.4	.4	.2							44	44	144				
64 / 63		.1	.1	.1	.1	.2	.2	.2	.3	.2								24	24	199				
62 / 61		.1		.1		.2	.2	.2	.2									15	15	250				
60 / 59				.1		.1	.3	.2		.1								13	13	299				
58 / 57		.1			.1		.1	.1										4	4	300				
56 / 55					.1	.1	.1											4	4	223				
54 / 53						.1												1	1	168				
52 / 51			.1	.1														2	2	117				
50 / 49																				55				
48 / 47																				25				
46 / 45																				12				
44 / 43																				4				
42 / 41																				1				
40 / 39																								
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$			$\sigma_x$			No. Obs.			Mean No. of Hours with Temperature								
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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## PSYCHROMETRIC SUMMARY

STATION NAME

**YEARS**

**MONTH**

HOURS (L S T )

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
34 / 37																					204
35 / 35																					192
34 / 33																					177
32 / 31																					97
30 / 29																					69
28 / 27																					24
26 / 25																					12
24 / 23																					2
22 / 21																					1
20 / 19																					1
TOTAL		.3	.7	.7	.8	1.5	3.1	4.0	5.9	7.3	8.3	8.2	8.1	8.0	11.2	11.1	20.9		1846		1846
																		1846		1846	

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# PSYCHROMETRIC SUMMARY

STATION

FALLON, NV

STATION NAME

73-82

YEARS

AUG

MONTH

PAGE 1

HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
104/103																	.3	6	6		
100/101																	.5	9	9		
100/99																	1.5	27	27		
98/97																.1	2.1	40	40		
96/95															.1	.1	2.8	52	52		
94/93														.1	.3	.6	2.0	52	52		
92/91													.1	.1	.8	1.3	2.8	90	90		
90/89												.1	.2	.3	1.0	2.5	2.0	110	110		
88/87										.1	.1	.3	.4	.8	1.7	2.2	.8	113	113		
86/85											.1	.5	1.2	1.3	2.2	1.7	.2	129	129		
84/83										.1	.3	.2	1.3	1.7	2.2	.7	.2	119	119		
82/81								.1		.4	.3	.8	1.6	1.6	1.3	.1		109	109		
80/79						.1		.1	.3	1.2	.7	1.0	1.2	.8	.1			93	93		
78/77						.1	.2	.1	.1	.9	1.0	1.2	1.4	1.0	.1			105	105		
76/75						.1		.2	.4	1.1	.9	1.1	.7	.3	.1			85	85		
74/73					.1	.1		.3	.7	1.2	1.3	1.2	1.0	.1				103	103		
72/71				.1	.1	.1	.3	.6	.6	1.3	1.6	.8	.3					101	101		
70/69				.1		.2	.6	1.1	.6	.8	.7	.4	.1					80	80	2	
68/67			.1		.2	.3	.5	.9	1.6	1.1	.5	.1						93	93	23	
66/65			.1	.2	.3	.5	.5	.3	1.0	.7	.2							67	67	61	1
64/63			.1		.4	.3	.8	.7	.6	.2								54	54	138	3
62/61			.1	.3	.1	.3	.6	.8	.5	.3								55	55	180	4
60/59			.1	.5	.2	.2	.2	.3	.1	.1								31	31	284	7
58/57		.1	.1	.2	.2	.1	.2	.1	.1									19	19	267	8
56/55	.1	.1	.1		.2	.2	.1	.1										17	17	250	19
54/53			.1	.1	.1													6	6	196	34
52/51		.1		.2		.1												7	7	155	54
50/49	.1		.1	.1														3	3	112	81
48/47		.1			.1													2	2	61	102
46/45																				35	122
44/43																				9	137
42/41		.1																1	1	4	172
40/39																				2	189
38/37																					201
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature										Total
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

## PSYCHROMETRIC SUMMARY

93102	FALLON, NV	73-92	AUG
STATION	STATION NAME	YEARS	MONTH

PAGE 2  
HOURS (L S T)

[illegible]

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## PSYCHROMETRIC SUMMARY

PAGE 1  
HOURS (L

Temp. (F.)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL						
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point				
98 / 97																	.1	1	1						
96 / 95																	.9	12	12						
94 / 93																	1.1	24	24						
92 / 91																.3	.9	28	28						
90 / 89														.1	.3	.4	1.6	38	38						
88 / 87														.4	1.3	1.3	1.1	64	64						
86 / 85													.1	.7	1.7	1.8	.1	70	70						
84 / 83												.3	.6	1.1	1.3	.6		63	63						
82 / 81											.1	.4	.7	2.0	1.4	.3		77	77						
80 / 79									.3	.5	.7	1.5	1.6	1.3	.1			93	93						
78 / 77									.1	.1	.5	1.7	1.9	1.0	.1			86	86						
76 / 75						.1		.1	.2	.6	1.0	1.4	.9	.6				76	76						
74 / 73							.1	.1	.3	.6	1.5	1.1	1.0	.3				76	76						
72 / 71							.1	.3	.3	1.1	1.3	1.6	.7	.1				86	86						
70 / 69						.1	.3	.5	.6	1.0	1.8	.9	.2					86	86						
68 / 67			.1		.1	.1	.1	.6	1.7	2.1	1.3	.4	.1					106	106						
66 / 65			.2	.1	.3	.1	.4	.7	1.6	1.1	.6	.1						83	83	2					
64 / 63		.1		.2	.2	.4	.8	1.2	1.3	.8	.3							79	79	22	1				
62 / 61		.1	.2	.3	.1	.4	1.0	.8	.8	.6								70	70	73	3				
60 / 59		.1	.1	.2	.3	.4	.8	1.3	1.1	.1	.1							68	68	116	3				
58 / 57		.1	.2	.1	.2	.6	1.0	1.1	.4									58	58	166	4				
56 / 55		.2	.1	.3	.3	1.3	.5	1.0	.3									61	61	201	9				
54 / 53		.1	.1	.4	.4	.7	.5	.4	.1									42	42	199	14				
52 / 51			.4	.3	.6	.6	.6	.3										48	48	164	15				
50 / 49		.1	.1	.3	.4	.5	.3	.1										27	27	186	22				
48 / 47		.1	.3	.2	.3	.1	.3											19	19	127	31				
46 / 45			.1	.3	.2	.1												12	12	119	66				
44 / 43		.1	.2		.3													8	8	82	80				
42 / 41			.1		.3													7	7	54	87				
40 / 39				.1	.1													2	2	30	122				
38 / 37		.1	.1															2	2	16	212				
36 / 35		.1																1	1	10	176				
34 / 33																				5	189				
32 / 31																				1	145				
Element (X)	$\Sigma X^2$			$\Sigma X$			$\bar{X}$		$\sigma_x$		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.													≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

73102	FALLON, NV	73-75,77-82	SEP
STATION	STATION NAME	YEARS	MONTH

PAGE 2

[illegible]



# PSYCHROMETRIC SUMMARY

STATION 93172 FALLON, NV STATION NAME 73-82 YEARS OCT MONTH

PAGE 1  
HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point		
82 / 01																	.1	1	1			
81 / 89																	.1	2	2			
80 / 87																.2	.5	.1	14	14		
79 / 85																.2	.1	.1	7	7		
78 / 83													.1			.6	.2		16	16		
77 / 81													.1	.4		.9	.1		26	26		
76 / 79												.2	.3	.9	.7				36	36		
75 / 77											.1	.4	.7	.9	.1				40	40		
74 / 75									.1	.2	1.0	.9	.7	.1					52	52		
74 / 73									.2	.6	1.1	1.1	.2						59	59		
72 / 71									.1	.7	1.4	1.5	.5						75	75		
70 / 69									.5	1.1	1.6	1.1	.2	.1					85	85		
68 / 67								.2	.5	1.0	1.4	.5							67	67		
66 / 65						.1	.1	.6	.8	1.4	1.0	.3							78	78		
64 / 63						.2	.2	1.0	1.5	1.5	.7	.2							95	95		
62 / 61					.1	.2	.7	1.0	1.3	1.3	.1								83	83		
60 / 59		.1		.1	.2	.2	1.0	1.6	1.5	.8									100	100	5	
58 / 57				.1	.3	.6	1.3	1.5	1.4	.3									100	100	27	
56 / 55			.1	.1	.2	1.1	1.7	1.8	.9	.2									114	114	61	1
54 / 53			.1	.2	.6	.9	1.9	1.7	.1										101	101	122	
52 / 51		.1	.1	.2	.9	1.7	2.2	.5											91	91	154	
50 / 49	.1	.1	.2	.6	1.1	1.5	1.4	.1											94	94	179	3
48 / 47	.1	.3	.5	.5	.9	1.5	.9	.1											98	88	162	12
46 / 45	.1		.4	1.1	1.1	1.7	.2												93	83	186	15
44 / 43		.1	.8	1.0	1.1	.8													69	69	196	21
42 / 41	.2	.4	.5	1.7	1.1	.4	.1												68	68	173	43
40 / 39		.3	.7	1.0	1.0	.2													59	59	154	87
38 / 37	.1	.1	.6	1.1	.4	.1													42	42	121	112
36 / 35	.1	.3	.5	.7	.2														32	32	97	163
34 / 33		.2	.7	.3	.1														22	22	67	170
32 / 31		.2	.4	.1															12	12	61	180
30 / 29	.1	.3	.2	.1															11	11	33	202
28 / 27	.1	.2	.2	.1															9	9	24	199
26 / 25	.1	.1																	2	2	6	206
Element (X)	ΣX <sup>2</sup>			ΣX			X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.													≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total			
Dry Bulb																						
Wet Bulb																						
Dew Point																						

## 3

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HOURS ( L S Y )

[illegible]

# PSYCHROMETRIC SUMMARY

STATION 931 2 FALLON, NV STATION NAME 73-82 YEARS NOV MONTH

PAGE 1  
HOURS (L S Y)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
77 / 77											.1							1	1						
75 / 75												.1		.1				3	3						
74 / 73										.1			.1	.1				4	4						
72 / 71										.2	.2	.2	.1	.1				13	13						
70 / 69									.1	.2	.2	.2	.1					11	11						
68 / 67								.1	.2	.3	.6	.2						24	24						
66 / 65								.2	.6	.2	.6	.1						28	28						
64 / 63							.1	.2	.7	.6	.1	.1						42	42						
62 / 61						.1	.2	1.0	.9	.7	.1							53	53						
60 / 59				.1		.1	.9	.9	.7	.6	.1							56	56	1					
58 / 57					.2	.4	.7	1.5	.4	.3	.1							67	67						
56 / 55					.3	1.1	1.7	1.4	.6	.1								91	91		2				
54 / 53				.1	.3	1.2	1.5	1.4	.5									88	88	15					
52 / 51			.1	.1	.5	1.3	1.3	.4	.1									64	64	19					
50 / 49		.1	.4	.2	1.2	1.8	1.0	.3	.1									88	88	58					
48 / 47			.3	.7	1.6	2.6	1.2	.3										120	120	90	1				
46 / 45			.2	.7	1.7	1.9	.6	.7										97	97	108	3				
44 / 43		.2	.6	1.6	1.6	1.7	.3											94	94	131	12				
42 / 41	.1	.4	1.3	1.7	1.3	.3	.5											109	109	142	14				
40 / 39	.1	.3	1.4	2.1	1.3	.9	.1											107	107	163	29				
38 / 37		.3	1.6	2.3	1.2	.3												101	101	158	60				
36 / 35	.1	.4	2.2	1.7	.6	.3												93	93	161	117				
34 / 33	.1	1.1	1.3	.9	.8	.1												74	74	139	109				
32 / 31	.3	1.1	2.6	.4	.3													82	82	132	133				
30 / 29	.1	1.5	1.5	.3	.3													67	67	111	157				
28 / 27	.2	1.4	.7	.7	.2													57	57	110	196				
26 / 25	.1	.9	.6	.3														32	32	63	196				
24 / 23	.1	1.0	.3	.1														25	25	48	170				
22 / 21	.2	.7	.2															20	20	92	144				
20 / 19	.2	.5	.3															18	18	27	121				
18 / 17		.3	.2															9	9	9	87				
16 / 15		.2	.1															4	4	14	51				
14 / 13		.2	.1															4	4	5	48				
12 / 11		.2																3	3	4	28				
Element (X)	$\Sigma X^2$		$\Sigma X$		$\bar{X}$		$\sigma_X$		No. Obs.		Mean No. of Hours with Temperature											Total			
Rel. Hum.											≤ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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## PSYCHROMETRIC SUMMARY

STATION	FALLON, NV	73-22	NOV
STATION NAME		YEARS	MONTH

PAGE 2  
HOURS (L S T)

[illegible]

# PSYCHROMETRIC SUMMARY

STATION 7312 FALLON, NV STATION NAME 73-80 YEARS DEC MONTH

PAGE 1  
HOURS T. S. Y.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL					
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point							
67 / 67											.2	.1						4	4									
66 / 65									.1	.2	.1	.1						5	5									
64 / 63							.1	.1	.2	.2	.3							13	13									
62 / 61							.1	.4	.2	.1	.2							17	17									
61 / 59						.1	.4	.5	.2	.1	.1							22	22									
59 / 57						.3	.7	.6	.5	.2								39	39									
58 / 55					.1	.2	.9	.5	.2	.1								36	36									
54 / 52					.4	.3	1.2	.8	.6	.1								65	65									
52 / 51				.1	.3	1.1	.8	.7	.2									55	55									
50 / 49				.2	.2	1.2	1.4	.2	.1									64	64	13								
48 / 47		.1	.1	.2	1.1	1.5	1.4	.2										77	77	26								
46 / 45			.3	.7	1.5	1.4	.8											80	80	47								
44 / 43		.1	.4	.8	2.7	1.7	.5	.1										95	95	60								
42 / 41	.1	.4	.4	1.7	2.1	1.5	.1											105	105	102	9							
40 / 39	.1	.5	1.2	2.5	2.2	.7	.1											124	124	112	12							
38 / 37		.1	1.5	2.6	1.2	.4												104	104	127	31							
36 / 35		.7	2.5	2.3	.7	.2												108	108	141	36							
34 / 33	.3	1.0	3.1	1.8	1.1	.1												124	124	177	70							
32 / 31		1.4	1.7	1.2	.5	.2												84	84	162	91							
30 / 29	.1	1.1	2.2	1.3	.2													79	79	148	111							
28 / 27	.1	2.2	2.2	.4	.1													90	80	98	153							
26 / 25		1.4	1.7	.7														63	63	121	152							
24 / 23	.1	2.0	1.2	.3														62	62	74	159							
22 / 21		1.3	.5	.1														32	32	71	160							
20 / 19	.1	1.8	.5															40	40	50	144							
18 / 17	.2	1.1	.4															27	27	48	122							
16 / 15	.2	1.3	.2															29	29	21	105							
14 / 13	.4	.7	.1															18	18	32	93							
12 / 11	.4	.2	.1															12	12	20	60							
10 / 9	.2	.5																13	13	10	57							
8 / 7		.1																3	3	9	45							
6 / 5	.1																	1	1	2	15							
4 / 3	.1																	1	1	1	17							
2 / 1																					12							
Element (X)	$\Sigma X^2$				$\Sigma X$				$\bar{X}$				$\sigma_x$				No. Obs.				Mean No. of Hours with Temperature							
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																												
Wet Bulb																												
Dew Point																												

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## PSYCHROMETRIC SUMMARY

791.2  
STATION

FALLON, NV

STATION NAME

73-82

YEARS

DEC  
MONT

BASE

HOURS (U.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point														
- / - 1	.1	.2																4	4	2	4														
- / - 2																					5														
-4 / - 5																					7														
-6 / - 7																					2														
-8 / - 9																					1														
-10 / -11																					1														
TOTAL	2.51	18.21	12.9	16.9	14.2	11.4	8.6	4.0	2.4	.9	.8	.1							1688		1688														
																		16° 8'		1685															

## PSYCHROMETRIC SUMMARY

MONTH

HOURS ( L S T )

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point															
100/105																		.0	1	1															
104/103																		.1	18	18															
102/101																		.1	29	29															
100/99																	.0	.3	57	57															
98/97																	.0	.5	115	115															
96/95																.0	.1	.7	166	166															
94/93															.0	.1	.1	.7	205	205															
92/91												.0	.0	.1	.1	.2	.4	.9	323	323															
90/89												.0	.1	.1	.3	.7	.6	.3	386	386															
88/87										.0	.0	.1	.1	.2	.6	.8	.3	.3	447	447															
86/85										.0	.1	.1	.2	.4	.7	.6	.1	.0	463	463															
84/83								.0	.0	.0	.1	.1	.3	.5	.8	.3	.0	.0	457	457															
82/81								.0	.0	.1	.1	.2	.4	.7	.6	.1	.0	.0	465	465															
80/79							.0	.0	.0	.1	.2	.3	.6	.7	.4	.0			521	521															
78/77						.0	.0	.0	.1	.2	.3	.6	.8	.6	.1				583	583															
76/75				.0		.0	.0	.1	.2	.4	.4	.7	.6	.4	.0				570	570															
74/73					.0	.0	.1	.1	.2	.4	.6	.8	.7	.1					646	646															
72/71			.0	.0	.0	.0	.1	.2	.3	.5	.9	.7	.4	.0					646	646	2														
70/69			.0	.0	.0	.0	.2	.2	.4	.6	.8	.6	.2	.0					642	642	10														
68/67			.0	.0	.0	.1	.1	.3	.5	.8	.8	.4	.0						660	660	65														
66/65		.0	.0	.0	.1	.1	.2	.3	.6	.8	.7	.2							664	664	225														
64/63		.0	.0	.0	.1	.1	.3	.6	.8	.8	.4	.1							664	664	404														
62/61		.0	.0	.1	.1	.1	.4	.6	.8	.7	.2	.0							649	649	631														
60/59		.0	.0	.1	.1	.2	.5	.8	.8	.5	.1	.0							667	667	944														
58/57		.0	.0	.0	.1	.3	.6	.9	.7	.3	.0								647	647	1097														
56/55	.0	.0	.0	.1	.2	.6	.8	1.0	.6	.1	.0								730	730	1188														
54/53		.0	.1	.1	.3	.6	1.0	1.0	.4	.0									749	749	1173														
52/51		.0	.1	.1	.5	.9	1.1	.7	.2	.0									745	745	1130														
50/49	.0	.0	.1	.3	.6	1.1	.9	.4	.1										722	722	1178														
48/47	.0	.0	.2	.4	.7	1.1	.9	.2	.0										735	735	1074														
46/45	.0	.0	.2	.6	1.0	1.1	.4	.1																											

# PSYCHROMETRIC SUMMARY

STATION 02112 FALLON, NV STATION NAME 73-82 YEARS ALL MONTH

PAGE 2  
HOURS 1157

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point											
37 / 37	.0	.2	.8	1.0	.6	.1	.0											595	595	1201	1245										
36 / 35	.1	.3	1.0	1.0	.4	.1												615	615	1125	1419										
34 / 33	.1	.5	.9	.7	.3	.0												513	513	1014	1556										
32 / 31	.1	.5	1.0	.5	.1	.0												477	477	881	1513										
30 / 29	.1	.5	.9	.3	.1													380	380	741	1686										
28 / 27	.1	.6	.6	.2	.0													325	325	576	1732										
26 / 25	.1	.5	.4	.1														225	225	487	1641										
24 / 23	.1	.5	.3	.0														206	207	301	1477										
22 / 21	.1	.4	.2	.0														139	139	247	1239										
20 / 19	.2	.3	.1															129	129	186	1085										
18 / 17	.1	.3	.0															85	85	136	805										
16 / 15	.1	.2	.0															84	84	87	565										
14 / 13	.1	.1	.0															40	40	72	415										
12 / 11	.1	.1	.0															35	35	44	287										
10 / 9	.1	.1																31	31	34	212										
8 / 7	.0	.1																19	19	18	154										
6 / 5	.0	.0																12	12	19	80										
4 / 3	.0	.0																10	10	9	46										
2 / 1	.0	.0																6	6	6	26										
0 / -1	.0	.0																11	11	12	20										
-2 / -3		.0																6	6	7	11										
-4 / -5		.0																2	2	3	8										
-6 / -7	.0	.0																2	2	2	10										
-8 / -9		.0																1	1	2	4										
-10 / -11		.0																1	1	1	6										
-12 / -13																					3										
-14 / -15		.0																1	1		2										
-16 / -17																				1											
-18 / -19																					1										
-20 / -21																					1										
-22 / -27																					1										
TOTAL	1.7	6.1	8.6	8.4	9.3	8.4	7.9	7.6	6.7	6.3	5.7	5.0	4.5	3.8	3.9	3.1	4.3	21143		21143											
																		21143		21143											
Element (X)	ΣX <sup>2</sup>		ΣX		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature										Total										
Rel. Hum.	43864199		853599		40.4		21.088		21143		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F															
Dry Bulb	78362728		1217126		57.6		19.313		21144		10.3	940.6	3056.7	2252.2	1397.3	242.8					8760.0										
Wet Bulb	43261651		922519		43.6		11.931		21143		12.0	1625.6	31.4								8760.0										
Dew Point	22730502		626716		29.6		10.892		21143		29.7	400.8	.8								8760.0										

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# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

71112 FALLON, NV

73-82

STATION		STATION NAME												YEARS											
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL											
1	MEAN	11.0							65.3					51.0											
	S. D.													27.366											
	TOTAL OBS	1							3					4											
2	MEAN	18.5	36.7	39.3	35.7	57.0	66.0	69.0	54.3	42.0	41.3	42.0		42.5											
	S. D.			6.250										12.912											
	TOTAL OBS	2	1	6	2	1	1	1	3	2	3	1		23											
3	MEAN	24.7	29.8	35.3	44.6	56.1	65.9	71.5	66.6	57.2	43.6	31.4	25.0	46.1											
	S. D.	11.252	8.493	7.163	7.567	8.005	6.996	5.479	6.466	7.248	8.108	9.039	10.521	18.257											
	TOTAL OBS	301	292	310	300	310	300	310	305	266	305	295	295	3579											
4	MEAN	33.5	43.0	48.8	56.6	66.6	76.6	82.7	81.2	73.5	61.4	47.0	38.6	59.3											
	S. D.	9.618	7.872	8.028	9.801	9.941	8.591	6.179	7.511	8.683	9.130	8.736	8.766	19.592											
	TOTAL OBS	300	292	310	300	310	300	309	305	266	305	296	300	3587											
5	MEAN	41.8	50.2	54.3	61.7	71.4	81.7	89.5	87.2	79.9	68.0	54.2	47.0	65.6											
	S. D.	9.846	8.879	9.846	10.461	10.205	9.131	6.693	7.923	9.371	10.093	9.708	9.334	18.260											
	TOTAL OBS	304	292	310	300	310	300	310	305	266	305	295	299	3586											
6	MEAN	51.4	57.5	54.4	62.8	72.3	83.0	91.3	88.0	80.7	67.8	52.8	45.6	65.9											
	S. D.	10.298	8.923	9.184	10.658	10.380	9.222	7.386	8.166	9.436	10.312	9.934	9.222	19.708											
	TOTAL OBS	303	292	310	300	310	300	310	305	266	305	294	296	3581											
7	MEAN	51.9	41.4	47.0	55.5	66.7	76.9	84.9	79.8	70.4	55.4	42.2	35.7	57.5											
	S. D.	10.268	7.801	7.685	9.376	9.951	8.893	6.914	7.573	8.100	8.499	8.526	9.051	19.393											
	TOTAL OBS	297	282	310	300	310	300	310	305	266	305	293	277	3555											
8	MEAN	57.3	36.5	40.8	47.8	57.2	66.4	72.9	69.6	61.2	48.1	37.2	31.4	57.4											
	S. D.	10.997	7.714	7.417	8.300	8.325	7.469	5.626	7.147	7.866	8.153	8.735	9.596	16.733											
	TOTAL OBS	293	253	279	270	309	297	296	247	241	305	278	221	3229											
ALL HOURS	MEAN	33.6	42.0	46.9	54.9	64.9	75.1	82.4	79.0	70.6	57.3	44.2	37.6	57.6											
	S. D.	12.315	11.076	10.633	11.570	11.410	10.773	9.933	11.055	12.251	12.993	12.235	12.070	19.814											
	TOTAL OBS	1745	1664	1835	1772	1861	1798	1846	1778	1573	1833	1752	1698	21144											

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# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

7102 FALL 11, NV

73-82

STATION		STATION NAME												YEARS											
HRS (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL											
1	MEAN S. D. TOTAL OBS	11.7  1							51.7  3					41.5 20.496 4											
2	MEAN S. D. TOTAL OBS	11.5  2	29.7  1	33.5 5.167 6	31.7  2	42.0  1	55.0  1	54.0  1	47.3  3	37.0  7	35.7  3	35.0  1		36.4 9.908 23											
3	MEAN S. D. TOTAL OBS	21.3 6.851 301	26.5 6.765 282	30.9 5.716 309	37.0 5.360 300	45.1 5.419 310	51.4 5.055 300	55.5 4.382 310	52.6 4.518 305	46.4 5.219 266	37.0 5.996 305	28.0 7.310 295	23.7 8.817 295	38.7 13.196 3578											
4	MEAN S. D. TOTAL OBS	30.3 7.749 304	35.7 5.390 282	38.7 5.479 310	42.7 5.655 300	49.4 5.816 310	55.0 4.678 300	59.4 3.939 309	58.1 3.995 305	53.8 4.754 266	46.6 5.167 305	38.7 6.140 296	33.7 6.539 300	45.1 11.119 3597											
5	MEAN S. D. TOTAL OBS	34.7 7.101 304	39.2 5.532 282	40.8 5.504 310	44.7 5.754 300	50.9 5.475 310	56.4 4.658 300	61.1 3.603 310	59.8 3.701 305	55.8 4.568 266	49.2 5.179 305	41.9 6.356 295	37.3 6.402 259	47.7 10.290 3586											
6	MEAN S. D. TOTAL OBS	34.7 7.341 303	38.9 5.477 282	40.6 5.389 310	44.8 5.765 300	50.9 5.268 310	56.8 4.505 300	61.5 3.471 310	59.8 3.663 305	55.6 4.511 266	48.6 5.130 305	40.7 6.469 294	36.1 6.518 296	47.4 10.616 3581											
7	MEAN S. D. TOTAL OBS	27.3 5.574 297	34.2 5.733 282	37.0 5.184 310	41.2 5.319 300	48.1 5.261 310	54.2 4.686 300	58.7 3.575 310	56.2 3.899 305	51.3 4.550 266	43.0 5.341 305	34.9 6.521 293	29.7 7.093 277	43.2 11.553 3555											
8	MEAN S. D. TOTAL OBS	24.0 5.537 233	31.3 5.959 253	33.8 5.687 279	37.7 5.488 270	44.8 5.257 309	50.3 5.147 297	54.3 4.350 296	52.8 4.607 247	47.8 5.233 241	39.4 5.649 305	31.9 6.870 278	27.3 7.763 221	40.1 11.290 3229											
ALL HOURS	MEAN S. D. TOTAL OBS	27.0 7.601 1745	34.3 7.319 1664	37.0 6.568 1834	41.4 6.351 1772	48.2 5.956 1860	54.0 5.397 1798	58.4 4.725 1846	56.7 5.028 1778	51.8 6.051 1573	43.9 7.082 1833	36.1 8.253 1752	31.3 8.802 1688	43.6 11.932 21143											

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# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION 712 FALLON, NV

73-92

STATION	STATION NAME	YEARS												
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S. D. TOTAL OBS	11.7  1							41.3  3					33.4 15.522 4
10	MEAN S. D. TOTAL OBS	19.5  2	17.0  1	25.7 5.007 6	24.5  2	34.0  1	48.0  1	44.0  1	42.0  3	29.5  2	28.7  3	25.0  1		29.5 9.249 23
2	MEAN S. D. TOTAL OBS	17.1 7.770 331	20.4 6.546 282	23.8 6.598 302	27.0 6.854 300	34.0 6.885 310	38.6 7.711 300	43.0 7.568 310	40.9 7.590 305	35.6 7.356 266	28.7 7.121 305	22.0 7.654 295	17.0 8.723 295	29.1 11.647 3578
1	MEAN S. D. TOTAL OBS	24.7 7.593 304	26.0 6.070 282	25.7 7.049 310	26.4 6.867 300	33.1 7.406 310	37.3 7.529 300	41.9 7.525 309	41.0 7.193 305	37.0 7.469 266	31.6 6.439 305	28.5 7.045 296	24.9 7.246 300	31.5 9.419 3587
1	MEAN S. D. TOTAL OBS	25.2 7.258 324	25.1 6.535 282	24.1 7.349 310	25.3 6.937 300	31.6 7.162 310	36.2 7.067 300	41.1 6.747 310	39.9 6.575 305	36.1 6.831 266	30.8 6.298 305	27.5 7.444 295	24.6 7.364 299	30.6 9.222 3586
1	MEAN S. D. TOTAL OBS	23.7 7.667 283	23.7 6.575 282	23.1 7.352 310	24.0 7.129 300	30.6 6.582 310	35.8 6.798 300	40.9 6.518 310	39.1 6.274 305	34.6 7.072 266	29.1 6.489 305	26.2 7.810 294	23.1 7.734 296	29.5 9.449 3581
1	MEAN S. D. TOTAL OBS	20.2 6.642 297	23.4 6.844 282	23.1 7.583 310	23.0 8.073 300	30.0 7.333 310	34.4 8.170 300	38.8 7.718 310	36.9 8.305 305	33.6 8.051 266	28.9 6.874 305	24.9 8.168 293	20.9 8.190 277	28.3 9.961 3555
20	MEAN S. D. TOTAL OBS	19.4 6.625 233	23.1 6.645 253	23.5 7.511 279	24.2 7.714 270	31.5 7.392 309	35.2 8.936 297	38.7 8.554 296	38.2 8.233 247	34.4 7.753 241	29.0 6.721 305	23.9 7.938 278	19.8 8.478 221	28.7 10.324 3229
ALL HOURS	MEAN S. D. TOTAL OBS	21.9 6.979 1745	23.7 6.761 1664	23.9 7.283 1834	25.0 7.387 1772	31.8 7.250 1860	36.3 7.844 1798	40.7 7.607 1846	39.4 7.497 1778	35.2 7.503 1573	29.7 6.743 1833	25.5 7.974 1752	21.8 8.420 1688	29.6 10.093 21143

NAVWEASERVCOM

3

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

STATION 12 FALL W. N. STATION NAME 10-57 PERIOD MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	01											
	02											
	03	100.0	100.0	99.7	99.0	96.7	89.4	67.1	34.6	19.9	76.4	311
	04	100.0	100.0	100.0	97.0	89.1	73.0	48.4	23.0	17.8	71.4	314
	05	100.0	100.0	95.7	81.4	61.7	27.7	16.1	9.9	6.9	54.2	304
	06	100.0	100.0	91.7	72.4	43.2	25.7	14.5	7.6	5.7	61.8	313
	07	100.0	100.0	89.0	66.3	34.2	22.3	31.0	17.2	9.4	65.5	297
	08	100.0	100.0	99.6	99.1	96.1	93.7	82.4	70.0	61.0	73.0	233
	09											
	10											
	11											
	12											
TOTALS		100.0	100.0	97.6	90.9	76.6	61.2	37.6	21.1	17.7	65.5	1742

OCEANAV-SMOS

## RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
102	FALL R, M	2-12	1951

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	1	100.0	100.0	69.6	67.2	91.9	75.5	46.3	27.4	5.7	69.6	222
	2	100.0	9.6	65.7	79.1	61.1	31.6	12.4	5.7	1.4	53.2	232
	3	100.0	14.7	71.3	41.1	18.9	9.9	3.9	1.1	.4	39.8	222
	4	100.0	14.1	64.2	34.0	17.4	6.2	2.9	1.4	.4	37.6	222
	5	100.0	9.6	65.7	74.5	46.1	23.5	11.0	4.3	1.1	51.1	222
	6	100.0	19.6	98.4	74.5	75.1	45.1	22.9	7.9	1.6	60.0	213
TOTALS		100.0	7.9	67.0	70.2	50.1	32.0	17.1	7.3	1.9	51.9	1663

**OCEANAV-SMOS**

## RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
2	ELL 7, N	17-2	2

[illegible]

**OCEANAV-SMOS**

## RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

[illegible]

**OCEANAV-SMOS**

## RELATIVE HUMIDITY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

**CCEANAV-SMOS**





## RELATIVE HUMIDITY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

**OCEANAV-SMOS**



3

## 3

STATION

STATION NAME

PERIOD

## CONTENT

—

1

**OCEANAV-SMOS**

**13****13****13****13****13****13**

## RELATIVE HUMIDITY

102	FALL, 1961	27-31	1961
STATION	STATION NAME	PERIOD	MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	24											
FEB	24											
MAR	24	100.0	178.0	99.7	75.6	47.2	24.6	13.6	25.1	9.8	70.6	215
APR	24	100.0	18.6	32.9	74.0	46.5	25.3	11.6	5.1	1.0	51.6	177
MAY	24	100.0	19.3	71.7	52.5	11.9	5.0	3.4	.7	.3	25.7	177
JUN	24	100.0	4.3	58.7	33.7	14.3	6.2	4.4	1.2	.7	20.0	274
JUL	24	100.0	9.3	75.2	77.5	52.7	24.7	11.5	3.4	1.1	72.6	293
AUG	24	100.0	19.6	97.1	82.9	73.0	51.4	24.7	5.0	1.0	60.5	273
SEPT	24											
OCT	24											
NOV	24											
DEC	24											
TOTALS		100.0	18.1	67.8	67.7	48.0	73.3	16.2	7.4	2.4	51.6	1771

**OCEANAV-SMOS**

3

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

# RELATIVE HUMIDITY

STATION 2 FALL N. N. STATION NAME 23-80 PERIOD DEC MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	01											
		100.0	100.0	99.7	96.6	89.2	74.3	55.9	26.1	6.0	70.7	20
		100.0	100.0	96.7	87.	73.7	49.3	26.7	11.7	3.7	61.2	300
		100.0	7.3	84.6	53.8	24.7	10.7	5.7	3.7	.3	43.6	299
		100.0	7.0	86.1	51.7	25.7	10.1	5.4	2.7	.7	43.1	296
		100.0	9.6	96.4	88.4	71.7	42.2	19.5	.3	1.4	57.8	277
		100.0	19.5	98.2	91.9	79.2	64.6	38.	14.9	2.7	54.1	21
TOTALS		100.0	6.9	93.6	78.2	60.6	41.0	25.1	10.5	2.6	56.6	1668

OCEANAV-SMOS

NAVAL WEATHER SERVICE DETACHMENT  
ASHEVILLE, NORTH CAROLINA

## RELATIVE HUMIDITY

STATION 12 FILL N, NY STATION NAME 77-7 PERIOD ALL MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN		100.0	100.0	97.6	90.9	76.6	64.2	37.6	21.1	12.0	69.5	1742
FEB		100.0	7.9	87.7	70.2	55.1	32.6	17.1	7.3	1.8	51.9	1662
MAR		100.0	4.1	73.5	51.2	34.3	24.6	10.0	4.2	1.3	44.3	1826
APR		100.0	70.7	87.3	71.2	42.9	18.6	4.4	2.4	1.1	35.5	1770
MAY		100.0	83.7	43.6	24.2	12.5	7.7	3.5	1.4	.2	32.3	1889
JUN		100.0	1.5	29.7	13.7	6.7	2.8	2.2	1.2	.4	27.2	1757
JUL		100.0	83.6	25.3	11.7	5.2	2.7	1.5	.8	.1	25.4	1848
AUG		100.0	89.2	31.7	15.7	8.2	4.6	2.1	.7	.5	27.5	1772
SEP		100.0	60.3	40.5	22.2	11.7	6.9	3.5	1.7	.3	31.7	1571
OCT		100.0	6.0	61.4	39.5	24.3	13.2	7.5	2.6	1.2	30.1	1830
NOV		100.0	76.0	87.5	67.7	48.7	32.3	15.2	7.4	2.4	51.6	1751
DEC		100.0	78.9	93.6	78.2	50.6	41.2	25.1	14.5	2.6	56.6	1638
TOTALS		100.0	40.6	60.1	43.0	29.7	19.7	11.1	5.1	2.1	41.7	21117

OCEANAV-SMOS



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

FALL N, NV

JANUARY 1973-DECEMBER 1992

JANUARY

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	OF TOTAL
122-											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66				25.0	50.0	25.0				0	.0
57 TO 61	4.5			4.5	22.7	31.8	13.6	4.5	18.2	22	1.7
52 TO 56	19.0	15.5	4.8	2.4	27.4	6.7	1.2	4.8	19.0	64	4.8
47 TO 51	13.7	14.4	2.9	13.7	22.3	10.1	6.5	3.6	12.9	139	8.0
42 TO 46	13.6	15.5	4.2	4.9	19.7	4.2	5.2	6.1	22.5	213	12.2
37 TO 41	19.2	14.4	6.8	8.4	12.8	2.4	6.4	4.0	25.6	257	14.3
32 TO 36	19.4	11.7	7.0	6.3	11.4	5.4	4.8	7.0	27.0	315	18.1
27 TO 31	18.5	10.0	6.3	3.7	12.6	5.9	3.0	5.6	34.4	270	15.5
22 TO 26	11.4	9.2	6.5	4.9	14.7	5.4	5.4	4.0	37.5	184	10.5
17 TO 21	5.5	13.9	4.6	7.4	4.6	4.6	2.8	1.9	53.7	109	6.2
12 TO 16	5.3	7.9	6.3	1.6	17.5	11.1	4.8	3.2	41.3	63	3.6
7 TO 11	6.7	4.4	4.4	6.7	11.1	2.2	4.4		60.0	40	2.6
2 TO 6		5.0		5.0	10.0	10.0	10.0		50.0	20	1.1
-3 TO -7	5.9		5.9		17.6	5.9			64.7	17	1.0
-8 TO -11					26.0				26.0	5	.3
-12 TO -15	100.0									1	.1
-16 TO -19									100.0	1	.1
-20 TO -23											
-24 TO -27											
-28 TO -31											
-32 TO -35											
-36 TO -39											
-40 TO -43											
-44 TO -47											
-48 TO -51											
-52 TO -55											
TOTALS	15.0	11.8	5.6	6.6	15.0	5.9	4.8	4.9	30.7	1745	100.0

NAVWEASERVCOM

## WIND DIRECTION

STATION

FALL 1969

JANUARY 1973-DECEMBER 1982

FEBRUARY

## WIND DIRECTION

WIND DIRECTION											
TEMP.	NNW & N	NNE & NE	E & ESE	ESE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL	
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81						100.0			1	.1	
72 TO 76				90.0				20.0	5	.7	
67 TO 71	14.3		24.6	29.6	14.3			14.3	7	.4	
62 TO 66	9.8	27.5	5.9	7.0	13.7	9.8	3.9	7.9	51	3.1	
57 TO 61	2.2	14.3	5.5	6.6	23.1	11.0	9.9	6.6	23.9	91	5.5
52 TO 56	8.5	13.8	5.6	17.7	18.1	14.1	10.7	3.4	15.8	177	10.6
47 TO 51	2.5	11.5	7.2	11.3	21.7	8.7	9.5	6.1	16.7	263	15.8
42 TO 46	12.1	11.7	10.2	9.1	16.2	4.5	11.3	6.8	18.1	265	15.9
37 TO 41	15.6	9.7	4.5	9.3	16.0	3.7	7.4	6.7	27.1	269	16.2
32 TO 36	14.4	9.4	5.3	10.2	12.7	5.3	5.3	6.6	30.3	244	14.7
27 TO 31	12.7	6.7	4.7	12.3	17.3	5.3	6.3	6.0	29.3	153	9.0
22 TO 26	10.0	1.1	6.7	3.3	16.7	4.4	3.3	6.7	47.8	9	5.4
17 TO 21	2.6	2.6		7.9	18.4	5.3	5.3	10.5	47.4	35	7.3
12 TO 16			13.2					31.8	11	.7	
7 TO 11			173.0						1	.1	
2 TO 6								100.0	1	.1	
1											
0											
35 TO 39											
30 TO 34											
25 TO 29											
20 TO 24											
15 TO 19											
10 TO 14											
5 TO 9											
0 TO 4											
TOTALS	11.7	10.3	5.3	9.0	17.3	6.9	8.2	6.1	24.5	1664	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

FALLON, NV

JANUARY 1973-DECEMBER 1982

MARCH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81					100.0					1	.1
72 TO 76	21.4		7.1	7.1	21.4	21.4			21.4	14	.9
67 TO 71	14.0	14.0		7.0	23.3	9.3	16.3	7.0	9.3	43	2.9
62 TO 66	11.6	5.8	5.8	6.6	19.0	17.4	14.9	5.8	13.2	121	6.6
57 TO 61	9.8	10.3	4.0	8.0	16.4	11.5	16.7	8.0	13.2	174	9.5
52 TO 56	15.0	8.4	5.1	5.5	17.2	9.5	15.0	11.3	13.1	274	14.9
47 TO 51	17.7	8.2	9.6	7.8	12.3	7.5	11.6	14.0	11.3	293	16.0
42 TO 46	20.3	11.1	4.7	7.9	9.8	5.1	10.8	13.3	17.1	316	17.2
37 TO 41	19.7	5.5	3.9	6.2	13.9	5.7	17.0	13.9	15.4	246	14.1
32 TO 36	19.1	4.5	4.1	4.1	10.0	7.7	9.5	14.5	26.4	220	12.0
27 TO 31	12.9	4.7			21.2	7.1	7.1	10.6	31.8	85	4.6
22 TO 26	11.1	14.5	3.7	7.4	11.1		7.4	3.7	40.7	27	1.5
17 TO 21	14.3			28.6	28.6		14.3		14.3	7	.4
12 TO 16			100.0							1	.1
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	16.6	7.8	5.1	6.6	14.4	8.1	12.9	11.8	16.7	1835	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

FALLON, NV

JANUARY 1973-DECEMBER 1982

APRIL

STATION

PERIOD

PERIOD

PERIOD

PERIOD

WIND DIRECTION

TEMP	NNE & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122											
112 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91									100.0	7	.7
82 TO 86	6.7	6.7		6.7	40.0	13.3	20.0	6.7		15	.9
77 TO 81	15.9	2.3	2.3	4.5	15.9	18.2	16.2	9.1	13.6	44	2.5
72 TO 76	20.2	2.1	3.5	4.3	18.1	12.9	14.9	8.5	10.6	94	5.7
67 TO 71	19.2	7.9	8.6	7.3	7.9	7.3	16.6	13.2	11.9	151	8.5
62 TO 66	18.0	8.1	5.7	3.8	12.8	8.1	19.4	12.3	11.9	211	11.9
57 TO 61	18.4	13.9	6.1	4.1	9.8	8.6	16.4	12.3	10.2	244	13.8
52 TO 56	24.0	9.6	3.1	4.1	7.9	6.5	15.4	18.5	11.0	292	16.5
47 TO 51	19.3	9.8	2.2	5.1	11.3	5.1	16.1	16.4	15.7	274	15.5
42 TO 46	16.5	8.5	2.8	6.6	9.5	2.8	14.7	18.0	18.5	211	11.9
37 TO 41	24.8	5.7	2.8	2.1	5.7	6.4	17.7	22.7	12.8	141	8.0
32 TO 36	14.7	6.7	2.7	9.3	10.7	6.7	13.3	17.3	15.7	75	4.2
27 TO 31	12.5		12.5		31.3	6.3	6.3	6.3	25.5	16	.9
22 TO 26									100.0	1	.1
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
1 TO 5											
0 TO 4											
-1 TO 3											
-6 TO 0											
-11 TO -5											
-16 TO -10											
-21 TO -15											
-26 TO -20											
-31 TO -25											
-36 TO -30											
-41 TO -35											
-46 TO -40											
-51 TO -45											
-56 TO -50											
-61 TO -55											
TOTALS	16.7	8.4	4.4	4.9	10.6	7.1	16.2	15.3	13.4	1772	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION

FALLON, NV

JANUARY 1973-DECEMBER 1982

YEAR

MONTH

NO. OF DAYS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	50.0						50.0			2	.1
87 TO 91	16.1	6.5	3.2	3.2	3.2	3.2	32.3	22.6	9.7	31	1.7
82 TO 86	13.8	13.8	8.5	3.2	5.3	10.6	19.1	18.1	7.4	94	5.1
77 TO 81	22.6	12.6	5.8	1.1	4.7	7.4	22.1	16.8	6.8	197	10.2
72 TO 76	19.9	13.5	7.1	3.0	6.0	6.8	20.7	15.8	7.1	266	14.3
67 TO 71	23.2	14.3	5.9	3.7	7.0	5.1	15.8	15.1	9.9	272	14.6
62 TO 66	20.8	10.4	5.5	1.6	6.8	6.8	16.9	17.9	13.0	307	16.5
57 TO 61	20.0	6.9	4.5	4.9	11.8	2.9	15.9	19.6	13.5	245	13.2
52 TO 56	20.2	7.7	3.8	4.8	8.2	7.2	17.3	14.9	15.9	208	11.2
47 TO 51	21.0	10.5	3.2	5.6	10.5	4.0	12.9	21.0	11.3	124	6.7
42 TO 46	22.9	4.8	4.8	4.8	6.0	6.0	15.7	27.7	7.2	83	4.5
37 TO 41	15.2	12.1	6.1	3.0	6.1	9.1	30.3	18.2		33	1.8
32 TO 36	20.0	20.0				20.0	20.0		20.0	5	.3
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
1 TO 5											
0 TO 4											
-3 TO -7											
-8 TO -12											
-13 TO -17											
-18 TO -22											
-23 TO -27											
-28 TO -32											
-33 TO -37											
-38 TO -42											
-43 TO -47											
-48 TO -52											
-53 TO -57											
-58 TO -62											
TOTALS	20.6	10.8	5.4	3.4	7.4	6.1	18.1	17.6	10.5	1867	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

FALL M., NV

JANUARY 1973-DECEMBER 1982

JUNE

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106					100.0					1	.1
97 TO 101		13.3	6.7		6.7	6.7	40.0	26.7		15	.9
92 TO 96	16.5	10.6	5.9	1.2	9.2	11.8	15.3	20.0	10.6	85	4.7
87 TO 91	21.4	10.2	4.6	1.0	7.7	5.6	22.4	18.4	8.7	196	10.9
82 TO 86	17.3	9.8	5.5	3.5	5.1	6.7	22.0	20.0	10.2	255	14.2
77 TO 81	19.6	10.1	6.5	4.0	4.7	5.1	23.9	15.2	10.9	276	15.4
72 TO 76	21.1	9.2	2.7	1.7	7.1	3.1	26.2	15.6	13.3	294	16.4
67 TO 71	20.1	7.6	2.3	1.5	8.7	6.9	19.7	19.3	14.0	264	14.7
62 TO 66	19.1	7.2	1.0	1.0	12.4	4.3	22.5	14.8	17.7	209	11.6
57 TO 61	23.6	7.3	3.3	3.3	3.3	4.9	17.9	21.1	15.4	123	6.8
52 TO 56	25.0	12.5	7.1	1.8	7.1	8.9	14.3	12.5	10.7	56	3.1
47 TO 51	18.2	9.1	13.6		13.6	4.5	13.6	18.2	9.1	22	1.2
42 TO 46							50.0		50.0	2	.1
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO -7											
-8 TO -11											
-12 TO -15											
-16 TO -19											
-20 TO -23											
-24 TO -27											
-28 TO -31											
-32 TO -35											
-36 TO -39											
-40 TO -43											
-44 TO -47											
-48 TO -51											
-52 TO -55											
-56 TO -59											
-60 TO -63											
TOTALS	17.5	9.1	4.1	2.2	7.3	5.6	22.0	17.5	12.4	1798	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION

FALLON, NV

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

MONTH

JULY

NO. OF DAYS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106	26.1	13.0				4.3	13.0	34.8	8.7	27	1.2
97 TO 101	24.5	12.2	3.1	3.1	2.0	7.1	19.4	21.4	7.1	98	5.3
92 TO 96	20.2	10.1	4.0	2.8	4.5	6.5	21.1	19.4	11.3	247	13.4
87 TO 91	20.7	11.0	6.3	1.1	4.1	5.2	23.1	21.2	7.2	363	19.7
82 TO 86	21.9	8.3	5.0	2.2	6.8	5.4	28.1	14.0	6.3	275	15.1
77 TO 81	14.3	5.3	3.0	3.0	9.1	5.3	23.0	22.6	14.3	265	14.4
72 TO 76	11.5	4.2	1.7	3.5	14.3	5.9	21.3	22.0	15.4	286	15.5
67 TO 71	9.5	3.9		2.2	12.8	6.7	24.0	20.1	20.7	179	9.7
62 TO 66	20.0	6.7	1.3		10.7	6.7	17.3	20.0	17.3	75	4.1
57 TO 61	24.0		4.0			20.0	20.0	16.0	16.0	25	1.4
52 TO 56		16.7						50.0	33.3	6	.3
47 TO 51			100.0							1	.1
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -13											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	17.6	7.7	3.6	2.3	7.7	6.0	22.7	20.3	12.1	1846	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

STATION

FALLON, NV

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

AUGUST

MONTH

DATE

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106	25.0	37.5						12.5	25.0	5	.4
97 TO 101	23.0	13.5	8.1		1.4	4.1	20.3	16.2	13.5	74	4.2
92 TO 96	25.3	10.3	5.5	5.5	5.5	10.3	15.8	15.8	6.2	146	8.2
87 TO 91	23.6	11.1	4.4	1.1	6.3	7.7	19.1	18.8	9.6	271	15.2
82 TO 86	18.9	10.1	4.7	2.7	6.4	6.1	19.9	19.5	11.8	297	16.7
77 TO 81	16.7	10.9	7.3	2.3	8.5	6.6	20.5	15.1	12.4	255	14.5
72 TO 76	13.8	7.1	4.6	5.4	10.8	6.7	15.4	17.9	18.3	247	13.5
67 TO 71	12.2	7.7	1.4	4.1	23.9	5.9	13.5	14.4	17.1	222	12.5
62 TO 66	8.5	2.6	3.9	5.2	20.9	5.9	13.7	15.7	23.5	153	8.6
57 TO 61	12.3	4.1		5.5	16.4	5.5	9.6	19.2	27.4	73	4.1
52 TO 56	7.4	3.7	3.7		18.5	3.7	11.1	22.2	29.6	27	1.5
47 TO 51		12.5				25.0	25.0	25.0	12.5	8	.4
42 TO 46									100.0	1	.1
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	17.0	8.9	4.4	3.3	11.0	6.6	16.8	17.2	14.7	1778	100.0

NAVWEASERVCOM



PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION

FALLON, NV

STATION NAME

JANUARY 1973-DECEMBER 1982

YEAR

MONTH

HOUR

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
125 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101						100.0				1	.1
92 TO 96	18.0	10.0	6.0	4.0	14.0	6.0	20.0	12.0	10.0	100	3.2
87 TO 91	25.9	17.2	6.0	3.4	4.3	2.6	10.3	11.2	19.0	114	7.4
82 TO 86	22.9	17.3	3.5	2.3	4.6	2.3	12.7	14.5	13.9	173	11.0
77 TO 81	22.2	19.9	3.7	3.2	7.4	4.6	13.0	12.0	13.9	216	13.7
72 TO 76	21.6	14.9	3.1	3.1	5.7	3.1	18.6	11.9	18.0	194	12.3
67 TO 71	19.5	13.1	3.0	6.8	8.5	2.5	14.0	11.4	21.2	236	15.0
62 TO 66	15.2	9.6	4.0	5.1	12.1	4.5	10.1	10.1	29.3	198	12.6
57 TO 61	19.8	8.1	1.3	4.4	12.5	5.6	10.6	11.3	26.9	160	10.2
52 TO 56	17.7	4.6	.8	3.8	17.7	7.7	10.0	6.9	30.8	130	8.3
47 TO 51	16.4	4.5	3.0	1.5	14.9	10.4	7.5	11.9	29.9	67	4.3
42 TO 46	3.0		4.0	4.0	8.0	16.7	8.0	8.0	44.0	25	1.6
37 TO 41						33.3	16.7	16.7	33.3	6	.4
32 TO 36							100.0			1	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	20.4	12.7	3.3	4.0	9.3	4.7	12.7	11.3	21.6	1573	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

11 2

FALLON, NV

JANUARY 1973-DECEMBER 1982

OCTOBER

STATION

STATION NAME

YEAR

MONTH

NO. OF DAYS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & E	ESE & SE	SSE & S	SSW & S	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	29.4	29.4	5.9	5.9			11.8	11.8	5.9	17	.9
82 TO 86	37.5	21.9	3.1		3.1	6.3	12.5	3.1	12.5	32	1.7
77 TO 81	26.9	20.4	2.2	2.2	9.7	5.4	16.1	6.5	10.8	93	5.1
72 TO 76	17.0	21.8	6.8	4.8	13.6	3.4	8.8	4.8	19.0	147	8.0
67 TO 71	24.1	19.4	6.8	2.1	9.9	2.1	9.9	8.4	18.3	191	10.4
62 TO 66	19.0	14.3	4.8	6.2	13.8	3.3	11.4	6.7	20.5	210	11.5
57 TO 61	17.1	10.6	4.1	2.3	13.8	4.9	13.0	8.5	26.0	246	13.4
52 TO 56	19.7	10.4	2.3	3.9	13.1	5.0	10.8	8.5	26.3	259	14.1
47 TO 51	17.5	6.1	2.6	4.4	13.5	6.6	10.5	10.9	27.9	229	12.5
42 TO 46	11.3	3.6	1.0	2.6	10.9	8.8	8.8	7.7	45.4	194	10.6
37 TO 41	6.3	3.9	.8	1.6	14.2	3.9	11.6	8.7	48.8	127	6.9
32 TO 36	3.4	1.7	1.7	3.4	11.9	3.4	10.2	1.7	62.7	59	3.2
27 TO 31			3.7	7.4	11.1				77.8	27	1.5
22 TO 26									100.0	?	.1
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	17.3	11.5	3.5	3.4	12.3	4.7	10.7	7.7	28.8	1833	100.0

NAVWEASERVCOM

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

## WIND DIRECTION

STATION

FALLON, NV

JANUARY 1973-DECEMBER 1982

NOVEMBER

## WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
112 TO 121											
102 TO 111											
92 TO 101											
82 TO 91											
72 TO 81											
62 TO 71											
52 TO 61											
42 TO 51											
32 TO 41											
22 TO 31											
12 TO 21											
2 TO 11											
0 TO 11											
12 TO 21											
22 TO 31											
32 TO 41											
42 TO 51											
52 TO 61											
62 TO 71											
72 TO 81											
82 TO 91											
92 TO 101											
102 TO 111											
112 TO 121											
122+											
TOTALS	13.4	11.4	4.7	3.7	12.5	5.6	8.2	6.0	34.6	1752	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.

WIND DIRECTION

STATION

FALLS, NV

JANUARY 1973-DECEMBER 1982

DECEMBER

WIND DIRECTION

TEMP.	NNE & N	NNE & NE	N	SSE & S	SSE & SE	SSE & SW	SSE & W	SW & NW	SW & W	W & NW	CALM	TOTAL FREQ.	% OF TOTAL
122													
117 TO 121													
111 TO 116													
107 TO 111													
102 TO 106													
97 TO 101													
92 TO 96													
87 TO 91													
82 TO 86													
77 TO 81													
72 TO 76													
67 TO 71					50.0		50.0					4	.2
62 TO 66		4.0			36.0	20.0	20.0		20.0			2	1.5
57 TO 61	6.8	5.4	6.8	9.5	27.0	18.9	12.2	2.7	10.8			74	4.4
52 TO 56	5.1	18.4	7.4	5.1	22.1	8.8	9.6	5.1	18.4			136	8.1
47 TO 51	11.2	15.5	5.6	7.5	26.1	6.2	5.6	3.1	19.3			161	9.5
42 TO 46	13.0	16.5	5.2	6.9	17.7	5.2	4.6	8.7	22.1			231	13.7
37 TO 41	10.2	11.6	2.5	3.6	13.0	4.0	4.7	7.9	32.5			277	16.4
32 TO 36	15.3	10.5	5.8	3.6	13.1	2.9	3.3	5.5	40.0			275	16.3
27 TO 31	15.5	6.0	4.5	6.0	7.0	4.0	7.5	2.3	47.5			200	11.8
22 TO 26	13.2	9.0	2.8	4.2	11.8		5.6	5.6	47.9			144	8.5
17 TO 21	5.0	7.5	2.5	7.5	12.5	3.6	5.0	2.5	53.9			80	4.7
12 TO 16	5.7	3.8		3.8	15.1		5.7	1.9	64.2			53	3.1
7 TO 11	9.1	4.5	9.1	9.1	13.6		4.5		50.0			22	1.3
2 TO 6						50.0	50.0					2	.1
-3 TO 1	50.0				25.0			25.0				4	.2
-8 TO -3													
-13 TO -8													
-18 TO -13													
-23 TO -18													
-28 TO -23													
-33 TO -28													
-38 TO -33													
-43 TO -38													
-48 TO -43													
-53 TO -48													
-58 TO -53													
-63 TO -58													
TOTALS	17.0	11.1	4.5	5.3	15.9	5.0	6.1	5.2	33.9			1688	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE  
VS.  
WIND DIRECTION

FALL 1981

JANUARY 1973-DECEMBER 1982

ALL

STATION

FALL 1981

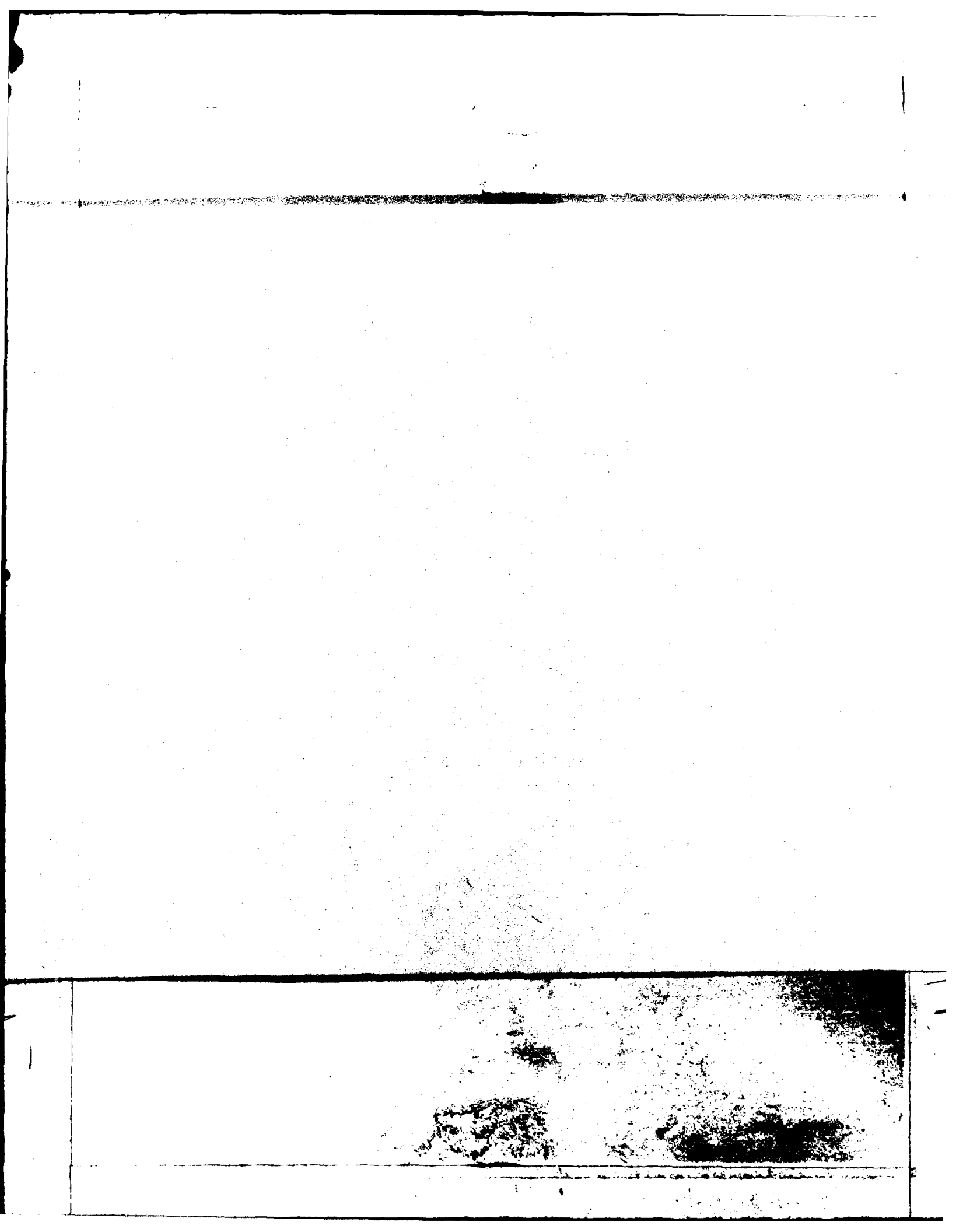
STATION

MONTH

WIND DIRECTION

WIND DIRECTION											
TEMP.	NNA & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	WNW & NW	TOTAL FREQ.	OF TOTAL
-22-											
-17 TO -21											
-12 TO -16											
-7 TO -11											
-2 TO 3	25.0	18.4			1.1	3.1	9.4	28.1	12.5	32	0.7
2 TO 7	21.3	12.9	5.3	1.4	2.1	6.4	21.3	19.7	9.0	149	0.9
7 TO 12	20.9	10.2	4.9	3.4	6.2	3.3	18.7	17.7	9.6	53	2.5
12 TO 17	22.2	11.7	5.3	1.5	5.3	5.3	20.2	16.7	9.8	997	4.7
17 TO 22	20.7	11.3	5.0	2.7	6.2	5.9	21.0	16.8	10.4	1144	5.4
22 TO 27	19.2	11.7	4.9	2.8	7.5	6.2	20.4	15.5	11.8	1345	6.4
27 TO 32	17.5	10.1	4.4	3.5	10.3	5.7	19.0	15.0	14.6	1551	7.3
32 TO 37	18.0	11.2	3.9	4.0	11.8	5.5	15.8	14.2	15.9	1613	7.6
37 TO 42	16.0	10.2	4.5	3.7	13.0	7.3	15.3	11.8	18.2	1604	7.9
42 TO 47	15.6	10.2	4.2	4.5	13.8	7.5	14.3	11.9	18.1	1627	7.7
47 TO 52	16.4	10.4	4.0	4.9	14.3	7.6	12.8	10.6	18.6	1867	8.8
52 TO 57	15.0	10.3	5.1	7.1	15.7	6.9	10.5	10.6	18.7	1814	8.6
57 TO 62	15.7	10.3	5.1	6.5	13.0	5.6	9.6	10.7	23.4	1787	8.5
62 TO 67	14.1	8.9	4.1	5.1	13.1	4.1	9.7	9.4	27.5	1624	7.7
67 TO 72	16.0	8.9	5.1	5.0	12.0	5.1	5.0	7.8	33.2	1475	6.6
72 TO 77	14.0	6.5	4.5	5.9	13.0	5.1	5.7	5.1	40.3	917	4.7
77 TO 82	12.4	6.8	4.7	4.1	13.4	3.9	4.8	5.2	44.8	516	2.4
82 TO 87	5.2	8.6	3.0	7.4	10.0	4.5	3.7	3.7	53.9	269	1.3
87 TO 92	5.1	5.1	3.6	3.6	14.6	5.8	4.4	2.2	55.5	137	0.6
92 TO 97	6.9	4.2	5.6	8.3	12.5	1.4	4.2		56.9	77	0.3
97 TO 102		4.3		4.3	8.7	13.0	13.0		56.5	23	0.1
102 TO 107	13.6		4.5		19.2	4.5		4.5	54.5	22	0.1
107 TO 112					20.0				80.0	5	0.0
112 TO 117	100.0									1	0.0
117 TO 122									100.0	1	0.0
122 TO 127											
127 TO 132											
132 TO 137											
137 TO 142											
142 TO 147											
147 TO 152											
152 TO 157											
157 TO 162											
162 TO 167											
167 TO 172											
172 TO 177											
177 TO 182											
182 TO 187											
187 TO 192											
192 TO 197											
197 TO 202											
TOTALS	16.8	10.1	4.6	4.6	11.7	6.0	13.4	11.8	21.0	21144	100.0

NAVWEASERVCOM



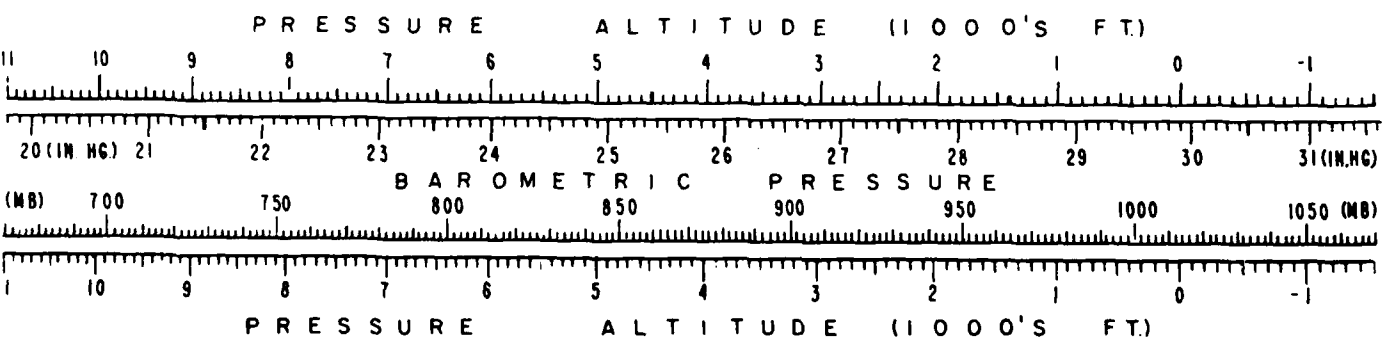
... Federal Building  
... Asheville, N. C.

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

- 1. Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HRS FROM HOURLY OBSERVATIONS

5132 FALLON, NV

73-82

STATION		STATION NAME												YEARS	
HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
1	MEAN S. D. TOTAL OBS	1022.0  1							1014.0  3					1016.0 4.169 4	
2	MEAN S. D. TOTAL OBS	1020.6 3.748 2	1013.9 1	1014.9 3.748 6	1017.8 2	1010.5 1	1010.4 1	1009.8 1	1015.7 3	1021.0 2	1019.0 3	1008.6 1		1015.9 4.311 23	
3	MEAN S. D. TOTAL OBS	1022.6 4.063 209	1020.6 8.324 282	1016.2 7.300 310	1016.3 5.780 300	1013.8 4.405 310	1013.4 3.863 300	1013.7 2.761 310	1014.1 3.294 304	1016.0 3.880 266	1019.4 6.001 305	1021.5 8.084 295	1023.7 8.171 294	1017.6 7.227 3575	
4	MEAN S. D. TOTAL OBS	1023.3 8.835 302	1020.8 8.249 282	1016.0 7.233 310	1016.1 5.724 300	1013.4 4.509 310	1013.1 3.979 300	1013.5 2.811 309	1013.7 3.384 304	1015.7 3.901 266	1019.2 5.888 305	1021.5 7.934 296	1024.1 8.017 299	1017.5 7.330 3583	
5	MEAN S. D. TOTAL OBS	1020.8 8.506 302	1018.6 8.004 282	1014.2 7.023 310	1014.4 5.651 300	1011.8 4.523 310	1011.5 4.022 300	1011.8 2.906 310	1011.9 3.375 304	1013.7 3.855 266	1016.9 5.818 305	1019.1 7.646 295	1021.4 7.735 298	1015.5 7.014 3582	
6	MEAN S. D. TOTAL OBS	1020.4 8.545 301	1017.7 7.882 282	1013.2 6.735 310	1013.0 5.459 300	1010.6 4.284 310	1010.2 3.838 300	1010.2 2.998 310	1010.4 3.267 304	1012.3 3.796 266	1016.0 5.694 305	1018.7 7.465 294	1021.3 7.590 295	1014.5 7.136 3577	
7	MEAN S. D. TOTAL OBS	1021.8 8.718 297	1019.2 8.012 282	1014.2 6.664 310	1013.4 5.203 300	1010.8 3.989 310	1010.2 3.450 300	1010.0 2.940 310	1010.5 3.177 305	1012.9 3.698 266	1017.3 5.810 305	1020.2 7.731 293	1022.8 7.998 277	1015.2 7.478 3555	
8	MEAN S. D. TOTAL OBS	1022.6 8.885 213	1019.5 8.013 253	1014.8 6.604 279	1014.6 5.316 269	1012.2 3.991 309	1011.9 3.422 297	1011.9 2.729 296	1012.3 2.993 247	1013.9 3.660 241	1017.5 5.832 305	1020.0 7.806 278	1022.7 7.702 221	1015.9 7.001 3228	
ALL HOURS	MEAN S. D. TOTAL OBS	1021.9 8.797 1737	1019.4 8.141 1664	1014.8 6.999 1835	1014.6 5.654 1771	1012.1 4.448 1860	1011.7 3.964 1798	1011.9 3.203 1896	1012.2 3.557 1774	1014.1 4.034 1573	1017.7 5.953 1833	1020.2 7.800 1752	1022.7 7.940 1644	1016.0 7.291 21127	

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# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

971-2 FALLON, NV

73-82

STATION	STATION NAME	YEARS
HRS.(L.S.T.)		JAN. FEB. MAR. APR. MAY JUN. JUL. AUG. SEP. OCT. NOV. DEC. ANNUAL
01	MEAN S. D. TOTAL OBS	26.030 . 1 26.048 .029 4
02	MEAN S. D. TOTAL OBS	26.01025.93025.97326.02025.91025.96025.96026.07026.15026.10025.800 . 2 1 6 2 1 1 1 3 2 3 1 26.012 .008 23
03	MEAN S. D. TOTAL OBS	26.07726.06025.97126.00425.98026.00626.03526.03026.04726.08526.09026.121 .211 .200 .180 .146 .116 .100 .071 .081 .096 .145 .193 .198 301 282 310 300 310 300 310 305 266 305 295 295 26.042 .158 3579
04	MEAN S. D. TOTAL OBS	26.10726.08025.98026.00725.97325.99726.03026.02826.05226.09826.10826.149 .210 .203 .192 .144 .115 .102 .072 .082 .098 .146 .194 .188 304 282 310 300 310 300 309 305 266 305 296 299 26.050 .162 3586
05	MEAN S. D. TOTAL OBS	26.05626.03425.93725.96525.93125.95625.98525.98026.00326.04526.05826.091 .204 .199 .177 .141 .116 .101 .074 .084 .095 .143 .189 .185 304 282 310 300 310 300 310 305 266 305 295 299 26.003 .157 3586
06	MEAN S. D. TOTAL OBS	26.04426.00825.90725.92525.89325.91725.93825.93325.95926.01526.04026.080 .272 .194 .170 .136 .110 .095 .076 .081 .094 .140 .184 .179 303 282 310 300 310 300 310 305 266 305 294 296 25.971 .157 3581
07	MEAN S. D. TOTAL OBS	26.04026.02525.92125.93325.90325.92525.94025.93825.96926.03026.05526.097 .272 .193 .167 .130 .102 .087 .074 .078 .088 .139 .185 .185 297 282 310 300 310 300 310 305 266 305 293 277 25.981 .156 3555
08	MEAN S. D. TOTAL OBS	26.09026.04825.95025.97425.94325.96825.98925.99126.00526.05226.07126.115 .211 .196 .174 .136 .102 .084 .070 .074 .088 .142 .191 .180 233 253 279 270 309 297 296 247 241 305 278 221 26.013 .153 3229
ALL HOURS	MEAN S. D. TOTAL OBS	26.07226.04225.94425.96825.93725.96225.98625.98326.00626.05426.07026.109 .207 .199 .177 .142 .115 .101 .082 .089 .100 .145 .191 .186 1745 1664 1835 1772 1860 1798 1846 1778 1573 1833 1752 1687 26.010 .160 21143

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